abcam

Product datasheet

Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free ab308263

重组　RabMAb

15 图像

概述

产品名称	Anti-pan cytokeratin抗体[EPR28285-45] - BSA and Azide free
描述	兔单克隆抗体[EPR28285-45] to pan Cytokeratin - BSA and Azide free
宿主	Rabbit
特异性	Unsuitable for mouse WB.
经测试应用	**适用于:** WB, Dot blot, IHC-P **不适用于:** Flow Cyt (Intra),ICC/IF or IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A431 and HeLa whole cell lysate. Human liver and colon tissue lysate. Rat colon and skin tissue lysate. IHC-P: Human skin, liver and colon tissue. Human colon adenocarcinoma tissue. Mouse and rat skin. HeLa cell pellet.
常规说明	ab308263 is a carrier free version of **ab308262**.

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.20 Constituent: 100% PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR28285-45
同种型	IgG

应用

The Abpromise guarantee　　**Abpromise™承诺保证使用ab308263于以下的经测试应用**

"**应用说明**"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳的稀释度/浓度应由使用者**检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration.
Dot blot		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

**应用说明**　　Is unsuitable for Flow Cyt (Intra),ICC/IF or IP.

靶标

相关性　　Cytokeratins, a group comprising at least 29 different proteins, are characteristic of epithelial and trichocytic cells. Cytokeratins 1, 4, 5, 6, and 8 are members of the type II neutral to basic subfamily. Monoclonal anti cytokeratins are specific markers of epithelial cell differentiation and have been widely used as tools in tumor identification and classification. Monoclonal Anti Pan Cytokeratin is a broadly reactive reagent, which recognizes epitopes present in most human epithelial tissues. It facilitates typing of normal, metaplastic and neoplastic cells. Synergy between the various components results in staining amplification. This enables identification of cells, which would otherwise be stained only marginally. The mixture may aid in the discrimination of carcinomas and nonepithelial tumors such as sarcomas, lymphomas and neural tumors. It is also useful in detecting micrometastases in lymph nodes, bone marrow and other tissues and for determining the origin of poorly differentiated tumors. There are two types of cytokeratins the

acidic type I cytokeratins and the basic or neutral type II cytokeratins. Cytokeratins are usually found in pairs comprising a type I cytokeratin and a type II cytokeratin. Usually the type II cytokeratins are 8kD larger than their type I counterparts.

细胞定位	Cytoplasmic

图片

Western blot - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)
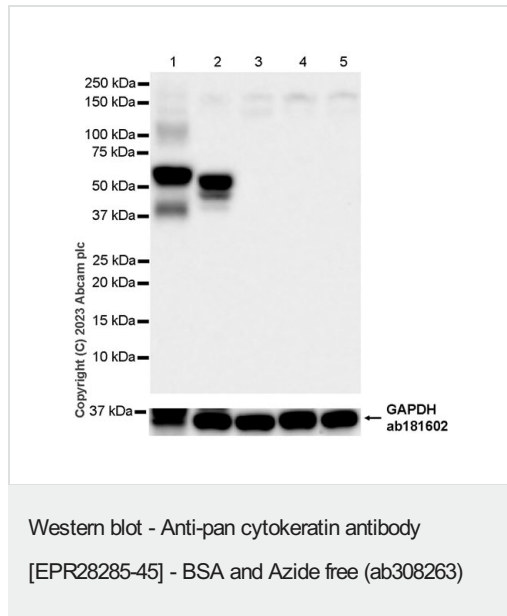
All lanes : Anti-pan cytokeratin antibody [EPR28285-45] (ab308262) at 1/1000 dilution

Lane 1 : A431 (human epidermoid carcinoma epithelial cell) whole cell lysate

Lane 2 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 3 : MOLT-4 (human lymphoblastic leukemia T lymphoblast) whole cell lysate

Lane 4 : Ramos (human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lane 5 : Raji (human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution
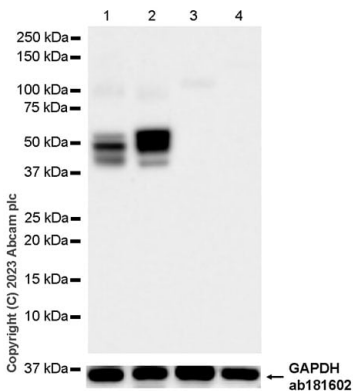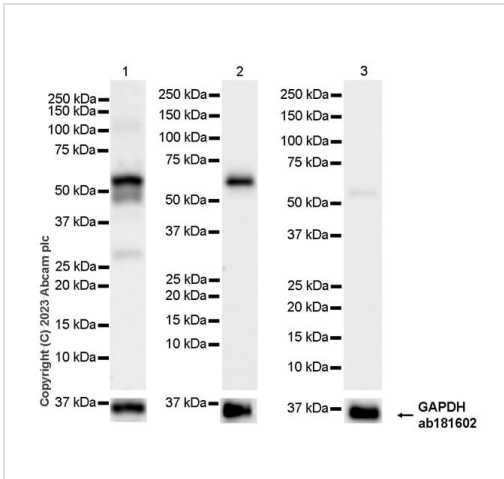
Observed band size: 37-60 kDa

This data was produced using ab308262, the same clone but in a different formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Low expression: MOLT-4, Ramos, Raji.

In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution.

Exposure time: 10 seconds.

Western blot - Anti-pan cytokeratin antibody
[EPR28285-45] - BSA and Azide free (ab308263)

All lanes : Anti-pan cytokeratin antibody [EPR28285-45] (**ab308262**) at 1/1000 dilution

Lane 1 : Human liver tissue lysate

Lane 2 : Human colon tissue lysate

Lane 3 : Human skeletal muscle tissue lysate

Lane 4 : Human testis tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Observed band size: 37-65 kDa

This data was produced using **ab308262**, the same clone but in a different formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Low expression: skeletal muscle, testis.

In Western blot, anti-GAPDH antibody (**ab181602**) loading control staining at 1/200000 dilution.

Exposure time: 10 seconds.

Western blot - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

All lanes : Anti-pan cytokeratin antibody [EPR28285-45] (**ab308262**) at 1/1000 dilution

Lane 1 : Rat colon tissue lysate

Lane 2 : Rat skin tissue lysate

Lane 3 : Rat skeletal muscle tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Observed band size: 37-60 kDa

This data was produced using **ab308262**, the same clone but in a different formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Low expression: skeletal muscle.

In Western blot, anti-GAPDH antibody (**ab181602**) loading control staining at 1/200000 dilution.

Exposure time: Lane 1: 8 seconds, lanes 2-3: 15 seconds.
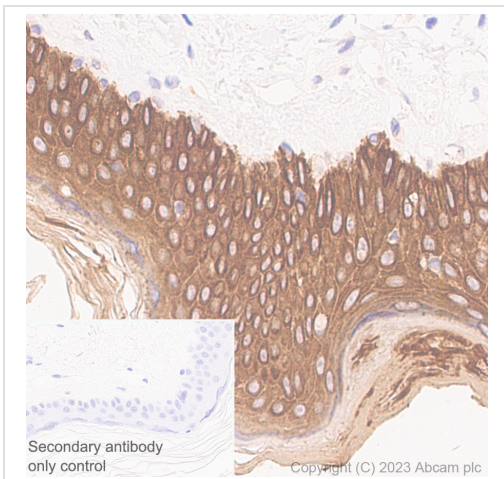
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

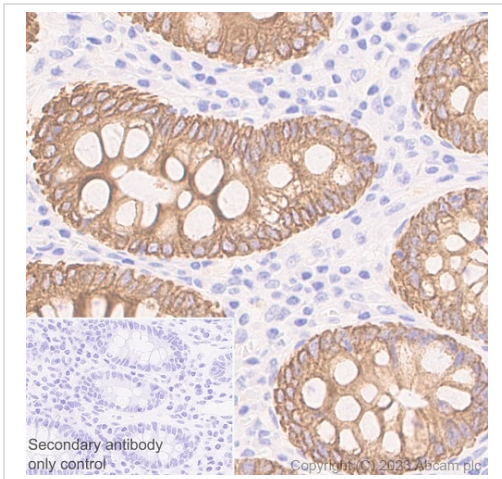This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded human skin tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Positive staining on human skin (PMID:25411189).

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

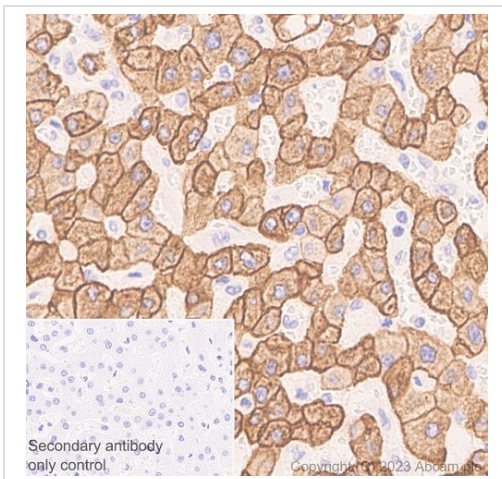This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Positive staining on human colon.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

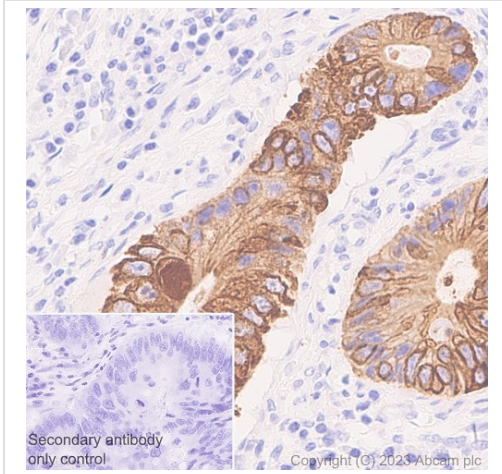This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Positive staining on human liver.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

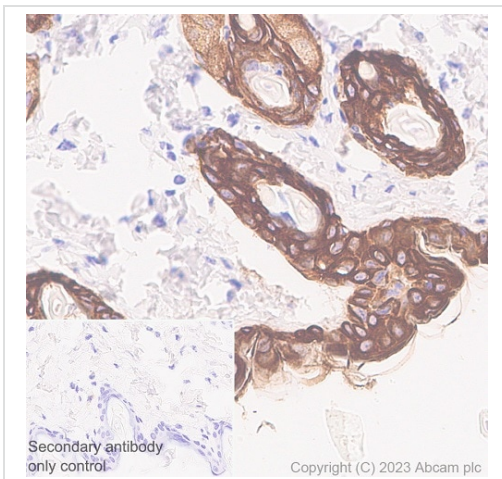This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded human colon adenocarcinoma tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Positive staining on human adenocarcinoma of colon.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

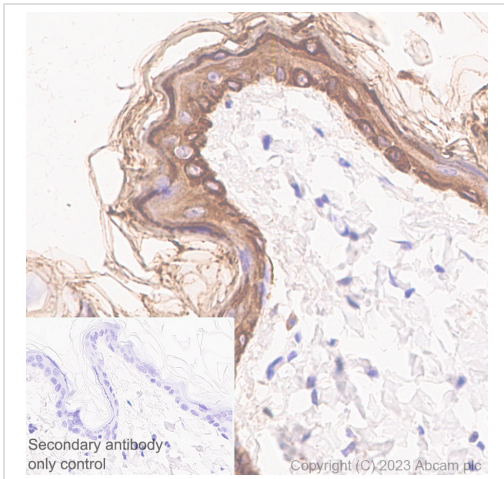This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded mouse skin tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Positive staining on mouse skin.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

This data was produced using **ab308262**, the same clone but in a different formulation.
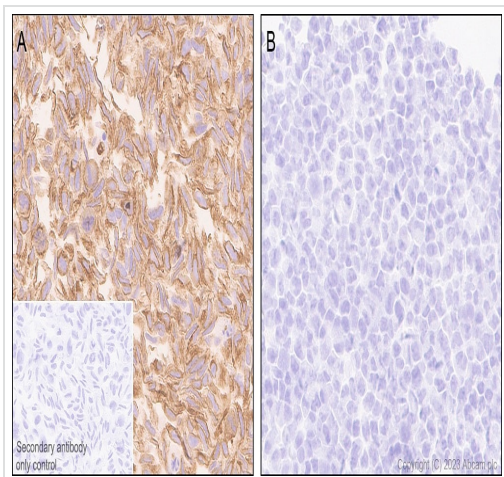
Immunohistochemical analysis of paraffin-embedded rat skin tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Positive staining on rat skin.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

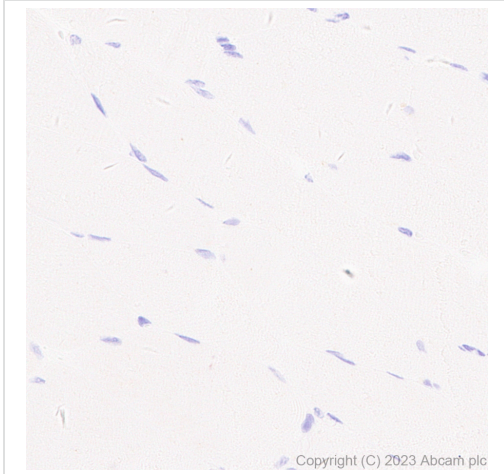This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded cell pellets labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Cytoplasmic staining on (A) HeLa cell pellet. No staining on (B) Raji cell pellet.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)
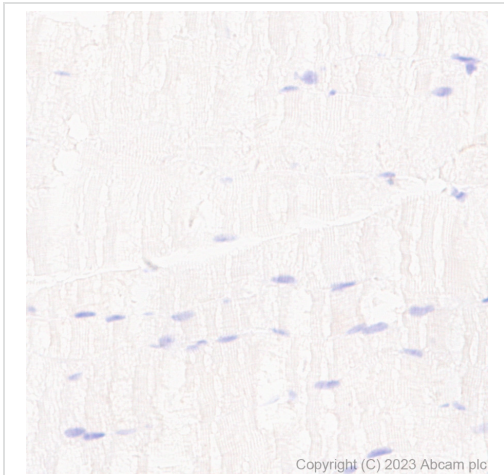
This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Negative control: No staining on human skeletal muscle.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Negative control: No staining on mouse skeletal muscle.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)
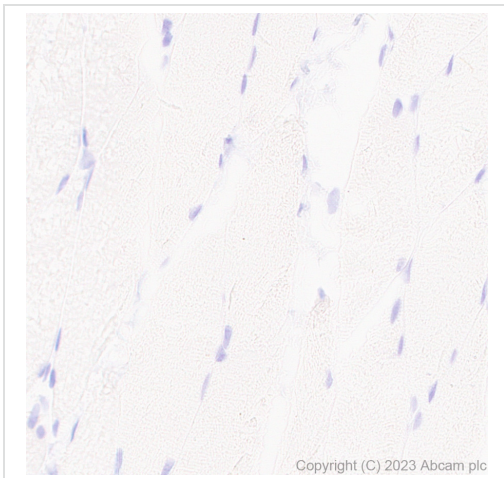
This data was produced using **ab308262**, the same clone but in a different formulation.

Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue labeling pan cytokeratin with **ab308262** at 1/5000 dilution (0.108 ug/ml) followed by ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

Negative control: No staining on rat skeletal muscle.

The section was incubated with **ab308262** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.
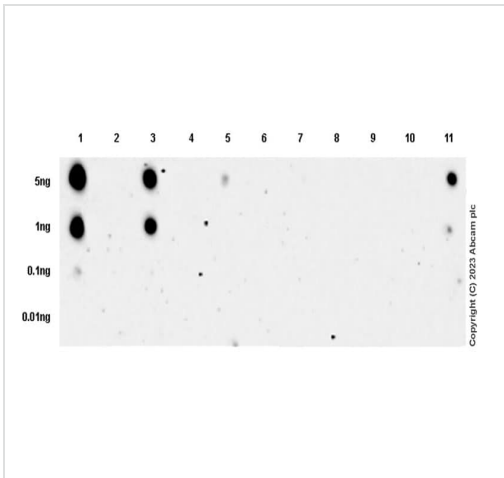

Dot Blot - Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

This data was produced using **ab308262**, the same clone but in a different formulation.

Dot blot analysis of pan cytokeratin using **ab308262** at 1:1000 dilution (0.541 ug/ml) followed by a Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1:100,000 dilution.

Exposure time: 180 seconds.

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Lane 1: Peptides for KRT5, KRT6, KRT7, KRT8

Lane 2: Peptide for KRT2

Lane 3: Peptide for KRT1

Lane 4: Peptide for KRT3

Lane 5: Peptide for KRT4

Lane 6: Peptide for KRT23

Lane 7: Peptides for KRT10, KRT12, KRT15, KRT18, KRT25, KRT26, KRT28

Lane 8: Peptide for KRT20

Lane 9: Peptide for KRT9

Lane 10: Peptides for KRT14, KRT16, KRT17, KRT19, KRT27

Lane 11: Peptide for KRT24

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-pan cytokeratin antibody [EPR28285-45] - BSA and Azide free (ab308263)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors