abcam

Product datasheet

Anti-Cytokeratin 7 antibody [SP52] ab183344

敲除 验证 重组 RabMAb®

★★★★★ **1 Abreviews**   **6 References**   15 图像

概述

产品名称	Anti-Cytokeratin 7抗体[SP52]
描述	兔单克隆抗体[SP52] to Cytokeratin 7
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, IHC-P, WB
种属反应性	**与反应:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human breast carcinoma, breast, pancreatic adenocarcinoma, breast ductal cell carcinoma, bladder, bladder transitional cell carcinoma, prostate, prostate adenocarcinoma, endometrium, endometrial adenocarcinoma and pancreas tissues; WB: HeLa cell and A549 cell lysates; ICC/IF: HeLa cells.
常规说明	**This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.**

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: 1% BSA, 98% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	SP52
同种型	IgG

应用
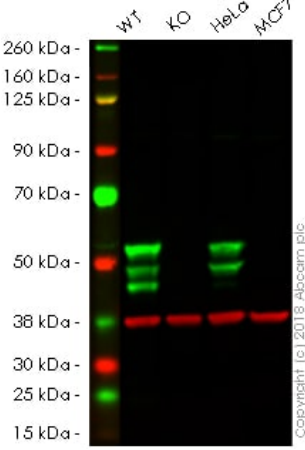
Abpromise™承诺保证使用ab183344于以下的经测试应用

"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
ICC/IF	★★★★★ (1)	1/100.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/25. Predicted molecular weight: 51 kDa.

靶标

功能	Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7).
组织特异性	Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus but is absent in the esophagus.
序列相似性	Belongs to the intermediate filament family.
翻译后修饰	Arg-20 is dimethylated, probably to asymmetric dimethylarginine.
细胞定位	Cytoplasm.

图片

Western blot - Anti-Cytokeratin 7 antibody [SP52] (ab183344)

All lanes : Anti-Cytokeratin 7 antibody [SP52] (ab183344) at 1/25 dilution

Lane 1 : Wild-type A549 (Human lung carcinoma cell line) whole cell lysate

Lane 2 : KRT7 knockout A549 (Human lung carcinoma cell line) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

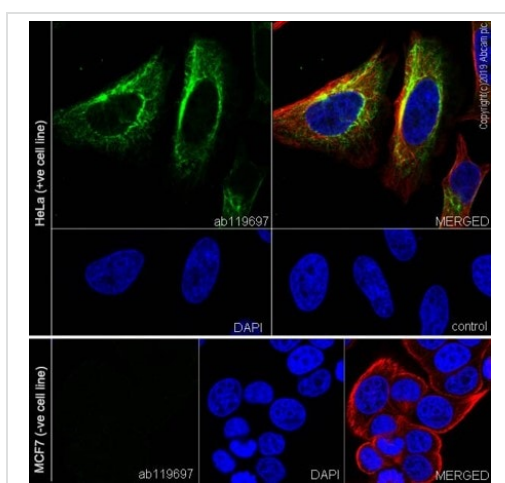**Lane 4 :** MCF7 (Human breast adenocarcinoma cell line) whole cell lysate

Performed under reducing conditions.

Predicted band size: 51 kDa
**Observed band size:** 50 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab183344 observed at 50 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab183344 was shown to specifically react with KRT7 (Cytokeratin 7) in wild-type A549 cells as signal was lost in KRT7 knockout cells. Wild-type and KRT7 knockout samples were subjected to SDS-PAGE. Ab183344 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1/25 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye$^{®}$ 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye$^{®}$ 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.


Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 7 antibody [SP52] (ab183344)

Immunocytochemistry analysis of HeLa (human cervix adenocarcinoma epithelial cell) and MCF7 (human breast adenocarcinoma epithelial cell) cells labeling Cytokeratin 7 with purified ab183344 at 1/100 (0.92 µg/mL). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor$^{®}$ 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor$^{®}$ 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.
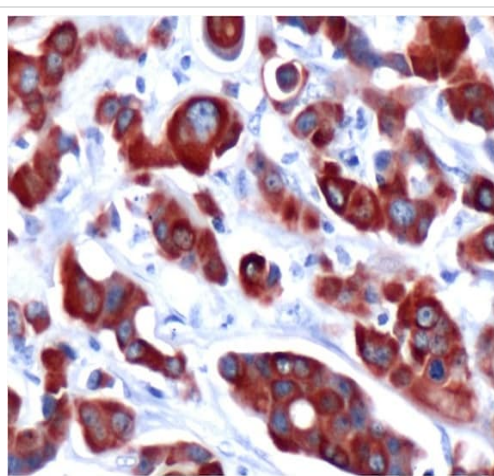
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)
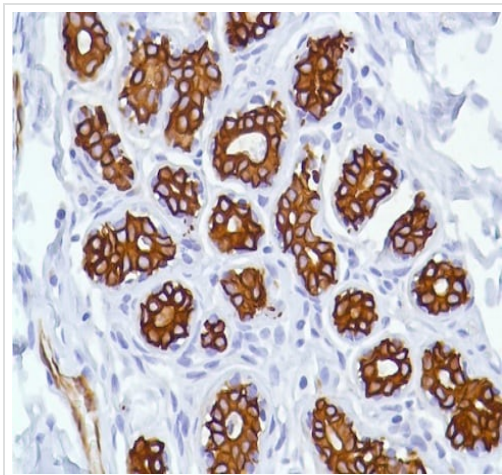
Immunohistochemical analysis of paraffin embedded Human breast carcinoma tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.
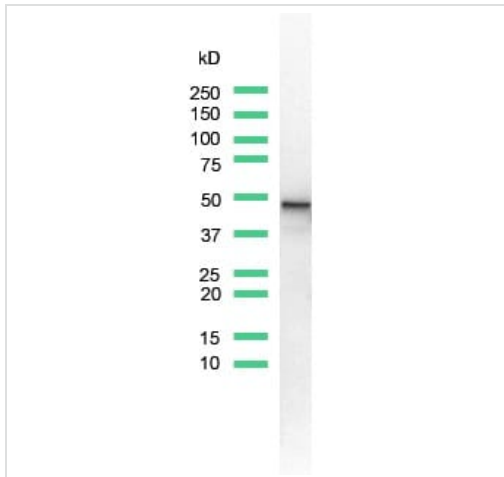
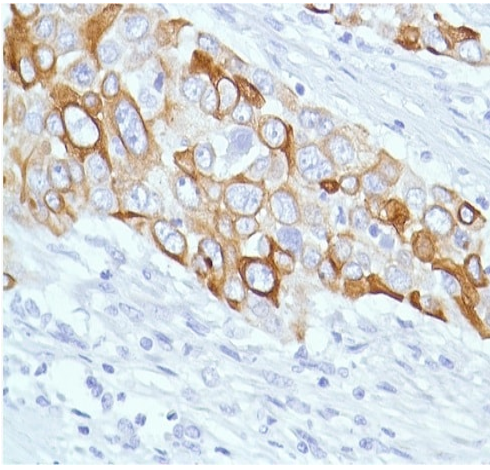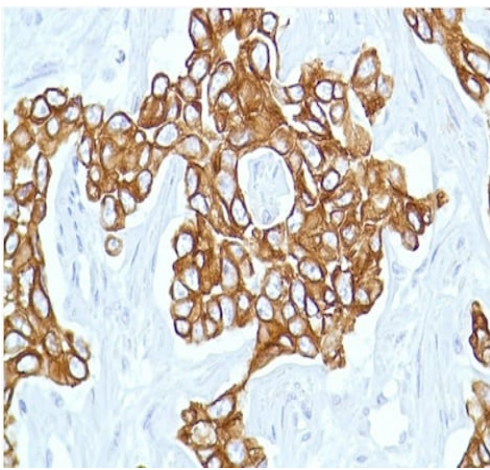Western blot - Anti-Cytokeratin 7 antibody [SP52] (ab183344)

Anti-Cytokeratin 7 antibody [SP52] (ab183344) at 1/25 dilution + HeLa cell lysate

Predicted band size: 51 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)

Immunohistochemical analysis of paraffin embedded Human breast tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.
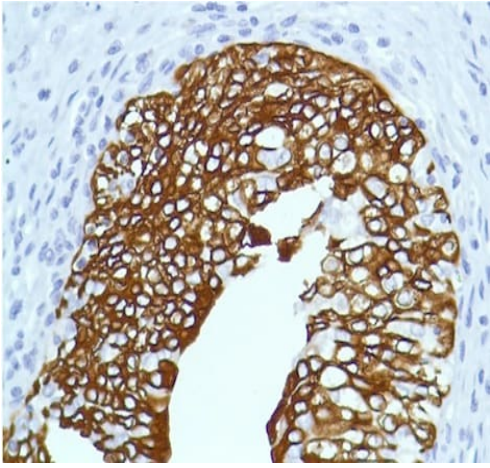
Immunohistochemical analysis of paraffin embedded Human pancreatic adenocarcinoma tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)
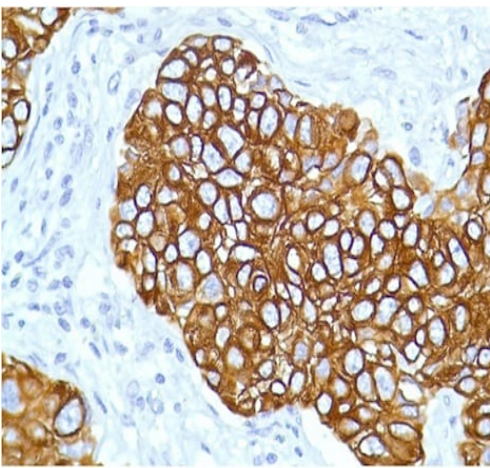

Immunohistochemical analysis of paraffin embedded Human breast ductal cell carcinoma tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)
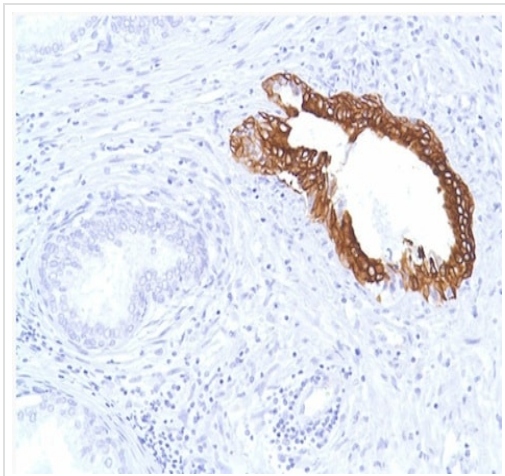
Immunohistochemical analysis of paraffin embedded Human bladder tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)
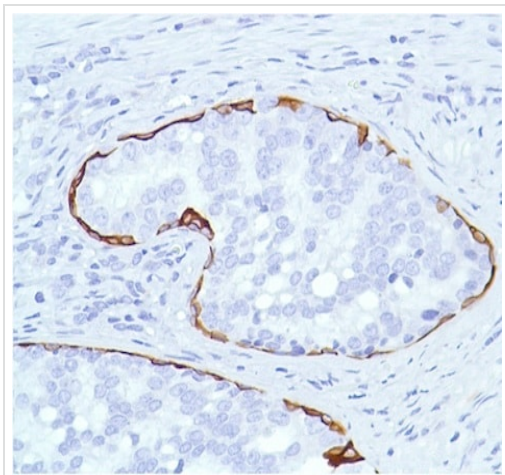

Immunohistochemical analysis of paraffin embedded Human bladder transitional cell carcinoma tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)
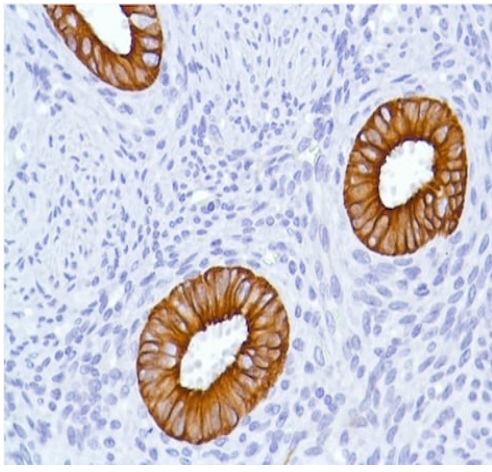
Immunohistochemical analysis of paraffin embedded
Human prostate tissue labeling Cytokeratin 7 with ab183344 at
1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-
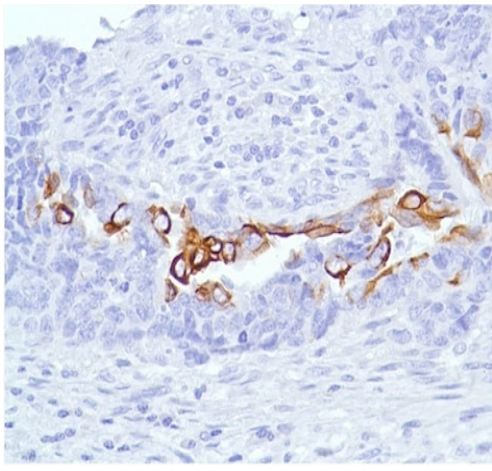embedded sections) - Anti-Cytokeratin 7 antibody
[SP52] (ab183344)

Immunohistochemical analysis of paraffin embedded Human
prostate adenocarcinoma tissue labeling Cytokeratin 7 with
ab183344 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Cytokeratin 7 antibody
[SP52] (ab183344)

Immunohistochemical analysis of paraffin embedded Human endometrium tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)

Immunohistochemical analysis of paraffin embedded Human endometrial adenocarcinoma tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.
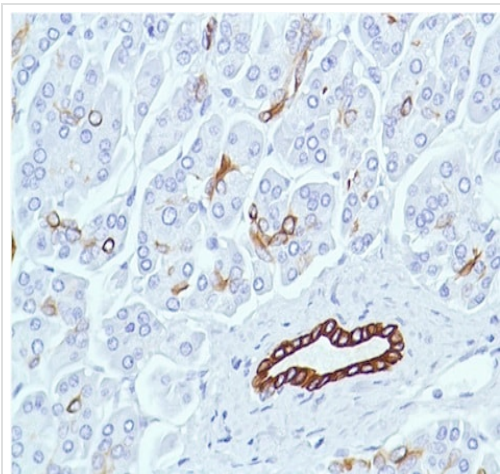
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)

Immunohistochemical analysis of paraffin embedded Human pancreas tissue labeling Cytokeratin 7 with ab183344 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [SP52] (ab183344)

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
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Anti-Cytokeratin 7 antibody [SP52] (ab183344)

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