

Anti-Cytokeratin 10 antibody [EP1607IHCY] - BSA and Azide free ab220806

 **RabMAb**

8 References [8 图像](#)

概述

产品名称	Anti-Cytokeratin 10抗体[EP1607IHCY] - BSA and Azide free
描述	兔单克隆抗体[EP1607IHCY] to Cytokeratin 10 - BSA and Azide free
宿主	Rabbit
特异性	Some customers have successfully used this antibody to staining Cytokeratin 10 in mouse tissue. Please see Abreviews for more details.
经测试应用	适用于: ICC/IF, WB, IHC-P
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: HaCat and A431 cell lysates, human fetal, rat and mouse skin tissue lysates. IHC-P: Human skin and tonsil tissues and mouse skin tissue. ICC/IF: HaCat cells.
常规说明	ab220806 is the carrier-free version of ab76318 .

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. Do Not Freeze.
存储溶液	pH: 7.20 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1607IHCY
同种型	IgG

应用

The Abpromise guarantee **Abpromise[™]承诺** 保证使用ab220806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		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 60 kDa (predicted molecular weight: 60 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> . ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

靶标

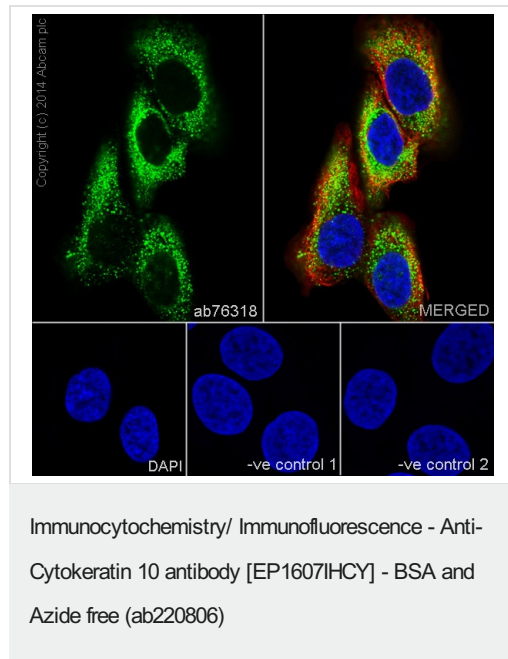
组织特异性	Seen in all suprabasal cell layers including stratum corneum.
疾病相关	Defects in KRT10 are a cause of bullous congenital ichthyosiform erythroderma (BCIE) [MIM:113800]; also known as epidermolytic hyperkeratosis (EHK) or bullous erythroderma ichthyosiformis congenita of Brocq. BCIE is an autosomal dominant skin disorder characterized by widespread blistering and an ichthyotic erythroderma at birth that persist into adulthood. Histologically there is a diffuse epidermolytic degeneration in the lower spinous layer of the epidermis. Within a few weeks from birth, erythroderma and blister formation diminish and hyperkeratoses develop. Defects in KRT10 are a cause of ichthyosis annular epidermolytic (AEI) [MIM:607602]; also

known as cyclic ichthyosis with epidermolytic hyperkeratosis. AEI is a skin disorder resembling bullous congenital ichthyosiform erythroderma. Affected individuals present with bullous ichthyosis in early childhood and hyperkeratotic lichenified plaques in the flexural areas and extensor surfaces at later ages. The feature that distinguishes AEI from BCIE is dramatic episodes of flares of annular polycyclic plaques with scale, which coalesce to involve most of the body surface and can persist for several weeks or even months.

序列相似性

Belongs to the intermediate filament family.

图片

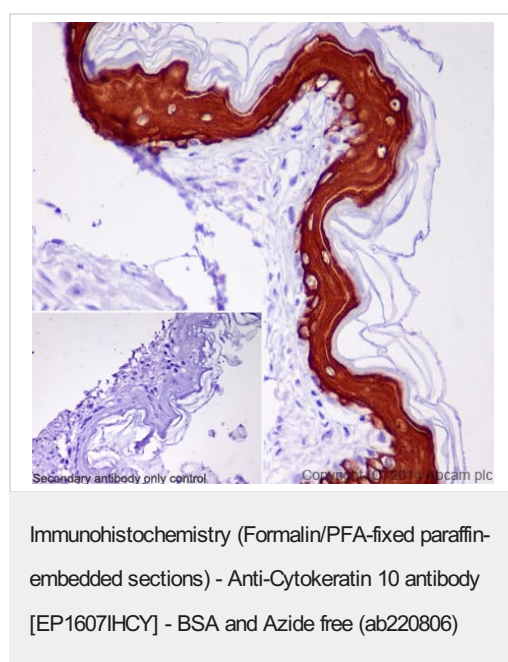


Immunocytochemistry/Immunofluorescence analysis of HACAT cells labelling Cytokeratin 10 with purified **ab76318** at 1/150. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/500) and **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/500) were also used.

Control 1: primary antibody (1/100) and secondary antibody, **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/500).

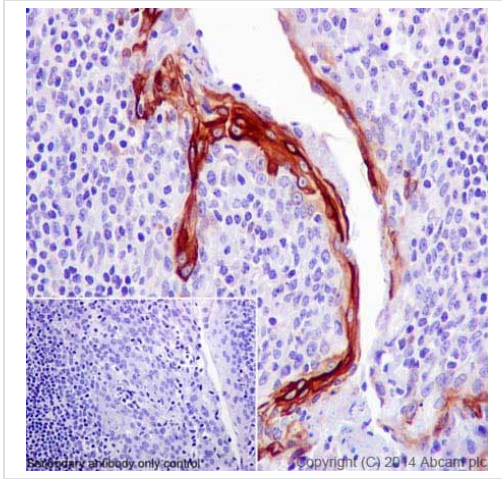
Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76318**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse skin tissue labelling Cytokeratin 10 with purified **ab76318** at 1/5000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

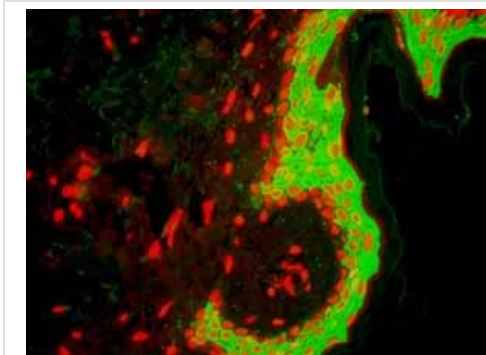
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76318**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 10 antibody [EP1607IHCY] - BSA and Azide free (ab220806)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling Cytokeratin 10 with purified **ab76318** at 1/5000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76318**).



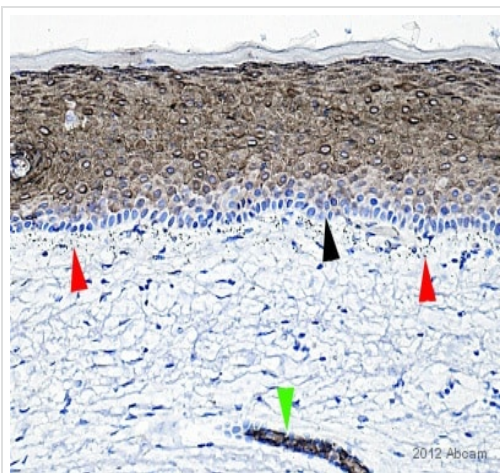
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 10 antibody [EP1607IHCY] - BSA and Azide free (ab220806)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human normal skin tissue labelling Cytokeratin 10 with unpurified **ab76318**.

Green - CK10, red - PI.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76318**).

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 10 antibody [EP16071HCY] - BSA and Azide free (ab220806)

This image is courtesy of an Abreview submitted by Carl Hobbs.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skin tissue labelling Cytokeratin 10 with unpurified **ab76318** at a 1/6000 dilution. The sections were subjected to heat mediated antigen retrieval. The sections were then blocked using 1% BSA for 10 mins at 21°C. **ab76318** was incubated for 2 hours at 21°C. A biotin-conjugated goat anti-rabbit IgG polyclonal was used as the secondary antibody (1/200).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76318**).

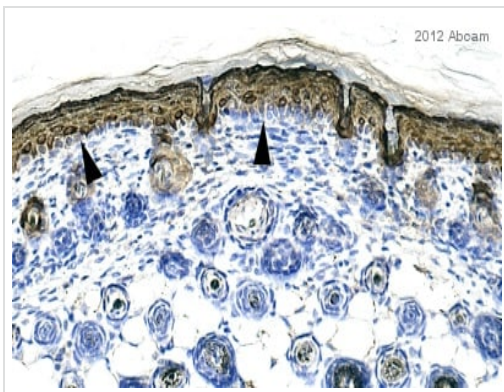


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 10 antibody [EP16071HCY] - BSA and Azide free (ab220806)

This image is courtesy of an Abreview submitted by Carl Hobbs.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat skin tissue labelling Cytokeratin 10 with unpurified **ab76318** at a 1/10000 dilution. The sections were subjected to heat mediated antigen retrieval. The sections were then blocked using 1% BSA for 10 mins at 21°C. **ab76318** was incubated for 2 hours at 21°C. A biotin-conjugated goat anti-rabbit IgG polyclonal was used as the secondary antibody (1/250).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76318**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 10 antibody [EP1607IHCY] - BSA and Azide free (ab220806)

This image is courtesy of an Abreview submitted by Carl Hobbs.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse skin tissue labelling Cytokeratin 10 with unpurified **ab76318** at a 1/10000 dilution. The sections were subjected to heat mediated antigen retrieval. The sections were then blocked using 1% BSA for 10 mins at 21°C. **ab76318** was incubated for 2 hours at 21°C. A biotin-conjugated goat anti-rabbit IgG polyclonal was used as the secondary antibody (1/250).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76318**).

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-Cytokeratin 10 antibody [EP1607IHCY] - BSA and Azide free (ab220806)

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