abcam

Product datasheet

Anti-Cytokeratin 10 antibody [DE-K10] - Cytoskeleton Marker ab9026

★★★★★ 4 Abreviews 40 References 画像数 3

製品の概要

製品名	Anti-Cytokeratin 10 antibody [DE-K10] - Cytoskeleton Marker
製品の詳細	Mouse monoclonal [DE-K10] to Cytokeratin 10 - Cytoskeleton Marker
由来種	Mouse
特異性	Reacts with keratinizing stratified epithelia and in differentiated areas of highly differentiated squamous cell carcinomas.
アプリケーション	**適用あり:** IHC-Fr, IHC-P
種交差性	**交差種:** Dog, Human
免疫原	Tissue, cells or virus corresponding to Human Cytokeratin 10. Cytoskeletal preparation extracted from human epidermis
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.09% Sodium azide Constituent: PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	DE-K10
ミエローマ	Sp2/0
アイソタイプ	IgG1

軽鎖の種類 kappa

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab9026の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr		Use at an assay dependent concentration.
IHC-P	★★★★★ (3)	1/100.

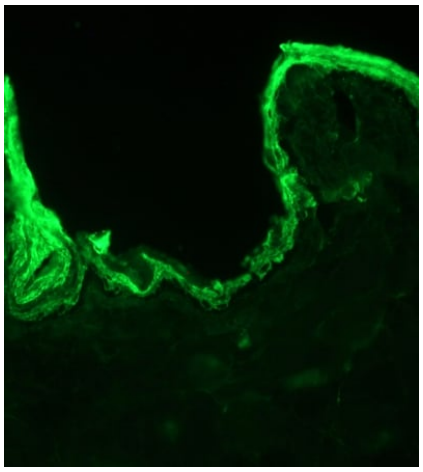
ターゲット情報

組織特異性 Seen in all suprabasal cell layers including stratum corneum.

関連疾患 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.

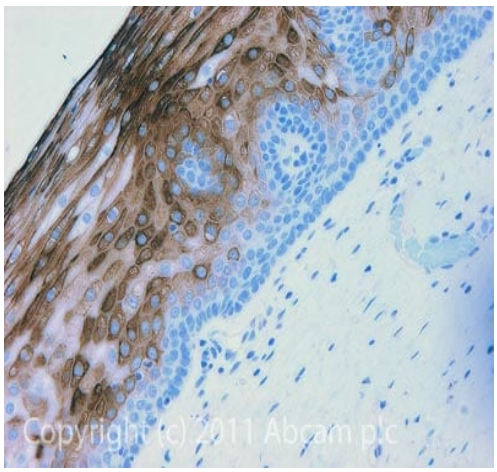
配列類似性 Belongs to the intermediate filament family.

画像



Immunohistochemistry (Frozen sections) - Anti-Cytokeratin 10 antibody [DE-K10] - Cytoskeleton Marker (ab9026)

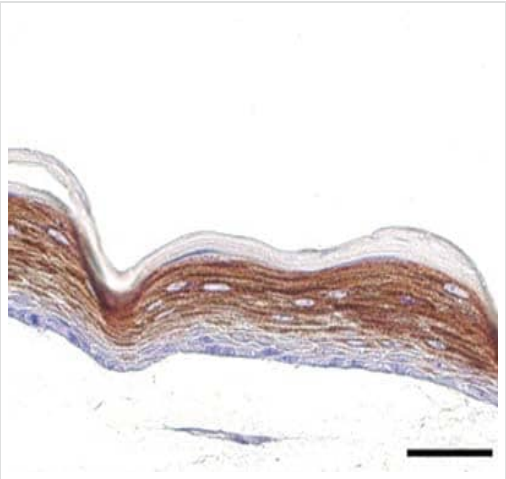
IHC image on a frozen section of dog skin showing its strong reactivity in the keratinizing epidermal cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 10 antibody [DE-K10] - Cytoskeleton Marker (ab9026)

IHC image of ab9026 staining in Human cervix formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab9026, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 10 antibody [DE-K10] - Cytoskeleton Marker (ab9026)

Image from Reinheckel T et al, J Cell Sci. 2005 Aug 1;118(Pt 15):3387-95, Fig 3. DOI 10.1242/?jcs.02469

Mesenchymal-epidermal interactions assessed by heterologous organotypic co-cultures (OTC). Heterologous OTC consisting of mice deficient for cathepsin L +/+ fibroblasts in collagen type I gels topped by normal human primary keratinocytes were grown air-exposed for 7 days. Paraffin sections were stained in haematoxylin and eosin (HE) or by immunohistochemistry for the proliferation marker Ki67 (Ki67, brown nuclear staining) and the differentiation markers cytokeratin 10 (K10, ab9026 1/100 dilution, brown staining) and transglutaminase (TG, brown staining). Bar 100 µm.

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.co.jp/abpromise** or contact our technical team.

Terms and conditions

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