

Product datasheet

Anti-Cytokeratin 10 antibody [RKSE60] ab9025

★★★★★ [4 Abreviews](#) [24 References](#) [2 Images](#)

Overview

Product name	Anti-Cytokeratin 10 antibody [RKSE60]
Description	Mouse monoclonal [RKSE60] to Cytokeratin 10
Host species	Mouse
Specificity	This antibody reacts exclusively with cytokeratin 10 which is present in keratinizing stratified epithelia and in differentiated areas of highly differentiated squamous cell carcinomas
Tested applications	Suitable for: IHC-Fr, ICC/IF
Species reactivity	Reacts with: Pig, Zebrafish
Immunogen	Full length native protein (purified) corresponding to Human Cytokeratin 10. Cytokeratins from the human epidermis.
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	RKSE60
Myeloma	Sp2/0
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab9025 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

Target

Tissue specificity

Seen in all suprabasal cell layers including stratum corneum.

Involvement in disease

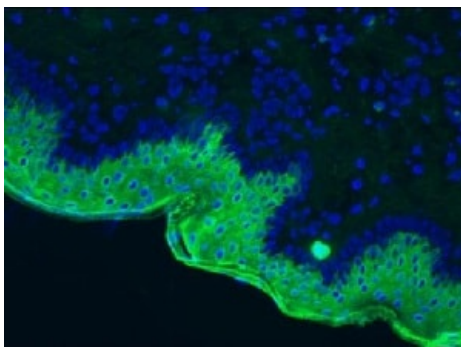
Defects in KRT10 are a cause of bullous congenital ichthyosiform erythroderma (BCIE) [MIM:113800]; also known as epidermolytic hyperkeratosis (EHK) or bullous erythroderma ichthyosiformis congenita of Brocq. BCIE is an autosomal dominant skin disorder characterized by widespread blistering and an ichthyotic 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.

Sequence similarities

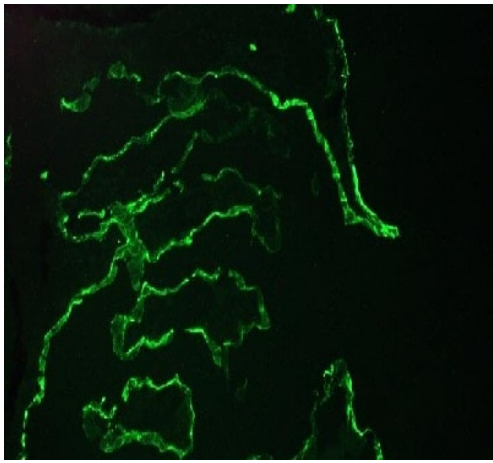
Belongs to the intermediate filament family.

Images



Immunohistochemistry on frozen section of swine skin: positive staining of the keratinizing layer

Immunohistochemistry (Frozen sections) - Anti-Cytokeratin 10 antibody [RKSE60] (ab9025)



Immunofluorescence staining of a 7 days old zebrafish embryo

Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 10 antibody [RKSE60] (ab9025)

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

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- 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

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