

Product datasheet

Anti-Cytokeratin 10 antibody ab97764

★★★★☆ 3 Abreviews 2 References 3 图像

概述

产品名称	Anti-Cytokeratin 10抗体
描述	兔多克隆抗体to Cytokeratin 10
宿主	Rabbit
经测试应用	适用于: WB, IHC-Fr, IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow, Dog
免疫原	Recombinant protein fragment corresponding to a region within amino acids 23 and 284 of Human Cytokeratin 10 (NP_000412).
阳性对照	A431 cell lysate.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab97764** in the following tested applications.

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

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 59 kDa.
IHC-Fr	★★★★☆	1/100.

应用	Ab评论	说明
IP		Use a concentration of 5 µg/ml.

靶标

组织特异性

Seen in all suprabasal cell layers including stratum corneum.

疾病相关

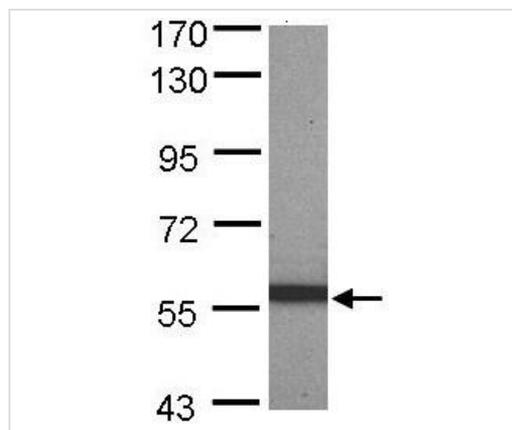
Defects in KRT10 are a cause of bullous congenital ichthyosiform erythroderma (BCIE) [MIM:113800]; also known as epidermolytic hyperkeratosis (EHK) or bullous erythroderma ichthyosiformis congenita of Brocq. BCIE is an autosomal dominant skin disorder characterized by widespread blistering and an ichthyotic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

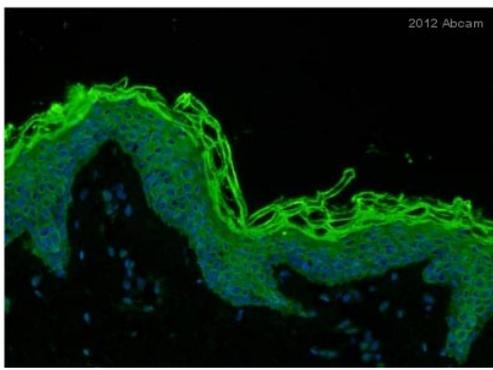


Anti-Cytokeratin 10 antibody (ab97764) at
1/3000 dilution + A431 whole cell lysate at 30
µg

Predicted band size: 59 kDa

7.5% SDS PAGE

Western blot - Anti-Cytokeratin 10 antibody
(ab97764)

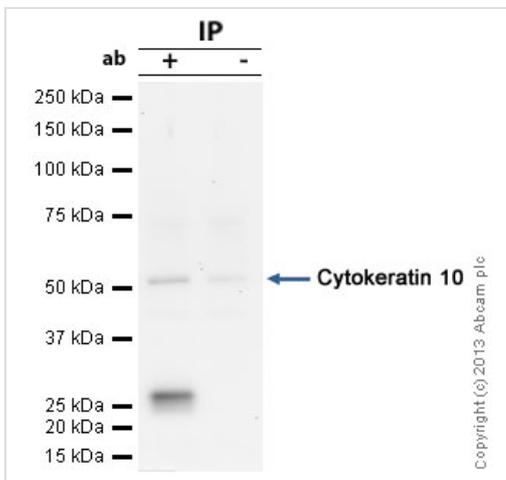


Immunohistochemistry (Frozen sections) - Anti-Cytokeratin 10 antibody (ab97764)

Image courtesy of an anonymous Abreview.

ab97764 staining Cytokeratin 10 in human skin tissue by Immunohistochemistry (Frozen sections).

Tissue was fixed in acetone, blocked using 5% serum for 20 minutes at 20°C and then incubated with ab97764 at a 1/100 dilution for 30 minutes at 20°C. The secondary used was an Alexa-Fluor 488 conjugated goat polyclonal used at a 1/200 dilution.



Immunoprecipitation - Anti-Cytokeratin 10 antibody (ab97764)

Cytokeratin 10 was immunoprecipitated using 0.5mg A431 whole cell extract, 5µg of Rabbit polyclonal to Cytokeratin 10 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, A431 whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab97764.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) (ab99697).

Band: 59kDa; Cytokeratin 10, non specific bands - 52kDa and in control (lane 2): We are unsure as to the identity of this extra band.

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