

Anti-Cytokeratin 3/CK-3 antibody [AE5] ab68260

重组

★★★★★ [2 Abreviews](#) [27 References](#) [2 图像](#)

概述

产品名称	Anti-Cytokeratin 3/CK-3抗体[AE5]
描述	小鼠单克隆抗体[AE5] to Cytokeratin 3/CK-3
宿主	Mouse
特异性	This antibody recognizes the 64kD polypeptide (cytokeratin 3 / CK-3) and 55 kDa polypeptide (cytokeratin 12) of rabbit corneal epithelium. It also recognizes bovine snout and lip epithelium, as well as a rabbit corneal cell line. The clone number has been updated from (2Q1040) to (AE5) both clone numbers name the same antibody clone.
经测试应用	适用于: IHC-P 不适用于: Flow Cyt (Intra), ICC, IP or WB
种属反应性	与反应: Human
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC: Human squamous papilloma of cornea tissue
常规说明	This product has switched from a hybridoma to recombinant production method on 5 th January 2022

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

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: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

纯度	Protein A purified
克隆	单克隆
克隆编号	AE5
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab68260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
IHC-P	★★★★★ (1)	Use a concentration of 0.25 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

应用说明 Is unsuitable for Flow Cyt (Intra), ICC, IP or WB.

靶标

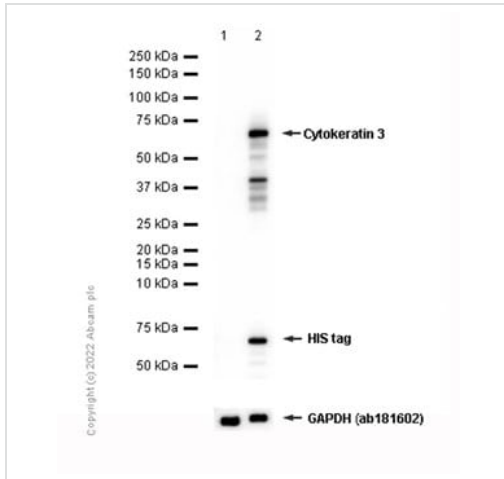
组织特异性	Cornea specific.
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疾病相关

Defects in KRT3 are a cause of Meesmann corneal dystrophy (MECD) [MIM:122100]; also abbreviated as MCD and known as juvenile epithelial corneal dystrophy of Meesmann. MECD is an autosomal dominant disease that causes fragility of the anterior corneal epithelium. Patients are usually asymptomatic until adulthood when rupture of the corneal microcysts may cause erosions, producing clinical symptoms such as photophobia, contact lens intolerance and intermittent diminution of visual acuity. Rarely, subepithelial scarring causes irregular corneal astigmatism and permanent visual impairment. Histological examination shows a disorganized and thickened epithelium with widespread cytoplasmic vacuolation and numerous small, round, debris-laden intraepithelial cysts.

序列相似性 Belongs to the intermediate filament family.

图片



Western blot - Anti-Cytokeratin 3/CK-3 antibody [AE5] (ab68260)

All lanes : Anti-Cytokeratin 3/CK-3 antibody [AE5] (ab68260) at 1/5000 dilution

Lane 1 : 293T (Human embryonic kidney epithelial cell) transfected with an empty vector containing a His tag®, whole cell lysate

Lane 2 : 293T (Human embryonic kidney epithelial cell) transfected with Cytokeratin full length expression vector containing a His tag®, whole cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/10000 dilution

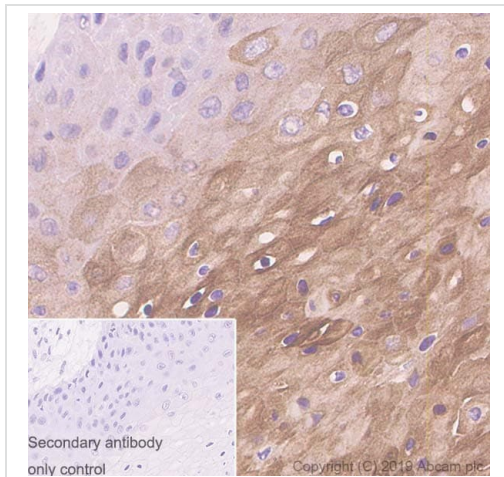
Predicted band size: 64 kDa

Observed band size: 65 kDa

Exposure time: 3 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

ab181602 was used as GAPDH loading control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 3/CK-3 antibody [AE5] (ab68260)

Immunohistochemical analysis of paraffin-embedded human squamous papilloma of cornea tissue labelling Cytokeratin 3 with ab68260 at 1/500 dilution, followed by a ready-to-use secondary antibody. Cytosolic staining on human squamous papilloma of cornea tissue is observed. Counterstained with Hematoxylin. Positive staining on human squamous papilloma of cornea. The section was incubated with ab68260 for 30 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

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