

Product datasheet

Anti-Cytokeratin 3 antibody [AE5] ab77869

★★★★☆ 1 Abreviews 6 References 画像数 2

製品の概要

製品名	Anti-Cytokeratin 3 antibody [AE5]
製品の詳細	Mouse monoclonal [AE5] to Cytokeratin 3
由来種	Mouse
アプリケーション	適用あり: ICC/IF, IHC-P, WB, Flow Cyt
種交差性	交差種: Rabbit, Cow, Human
免疫原	Rabbit corneal epithelial keratins

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.1% Sodium Azide Constituents: PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	AE5
ミエローマ	P3-x63-Ag8
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab77869** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★☆	Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
WB		1/1000 - 1/3000. Predicted molecular weight: 65 kDa.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 2µg for 10 ⁶ cells.

ターゲット情報

組織特異性

Cornea specific.

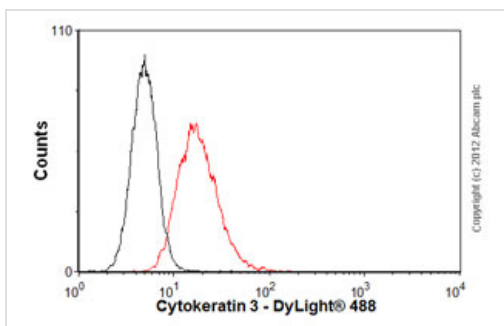
関連疾患

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.

配列類似性

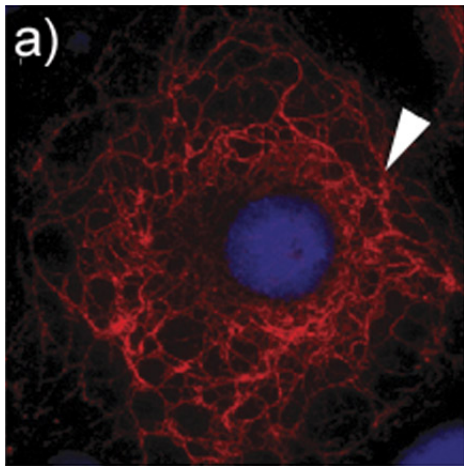
Belongs to the intermediate filament family.

画像



Flow Cytometry - Anti-Cytokeratin 3 antibody [AE5] (ab77869)

Overlay histogram showing A431 cells stained with ab77869 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab77869, 2µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.



ab77869 staining Cytokeratin 3 (red) in transfected Ptk2 cells by Immunocytochemistry/ Immunofluorescence.

Cells were co-transfected in quadruplicate with wild-type, mutant, or a 1:1 mixture of wild-type and mutant K12 expression plasmids along with a wild-type K3 expression construct. After 72 hours, cells were fixed with 3% paraformaldehyde for 20 minutes, before being incubated with primary antibody. Nuclei were stained with DAPI (blue).

Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 3 antibody [AE5] (ab77869)

Image from Liao H et al., PLoS One. 2011;6(12):e28582. Epub 2011 Dec 12. Fig 3.; doi:10.1371/journal.pone.0028582; December 12, 2011, PLoS ONE 6(12): e28582.

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