Product datasheet

anti-Keratin K3/K76 mouse monoclonal, AE5, purified

Short overview

Cat. No.	61807
Quantity	200 µg (1 mg/ml)
Concentration	1 mg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	AE5
Immunogen	Human epidermal keratin
Formulation	PBS with 0.09% sodium azide
UniprotID	A0A3Q1MYR8 (Bovine),P12035 (Human),Q29426 (Rabbit)
Synomym	Keratin, type II cytoskeletal 3, 65 kDa cytokeratin, Cytokeratin-3, CK-3, Keratin-3, K3, Type-II keratin Kb3, KRT3
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Bovine, Human, Rabbit

Applications

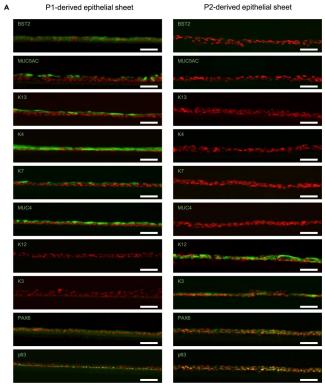
Immunohistochemistry (IHC) - frozen	1:50
Western Blot (WB)	1:500

Background

AE 5 represents an excellent marker for corneal type differentiation. Positive for epithelial cells of cornea, snout and some oral mucosa. This antibody has been used for studying corneal epithelial stem cells.Polypeptide reacting: Mr 64,000 polypeptide (keratin K3; formerly also designated cytokeratin 3) of human corneal epithelium and keratin K76 (formerly also designated cytokeratin K2p) of palate epithelium.Tested cultured cell lines: rabbit corneal epithelial cells.

Product images

anti-Keratin K3/K76 mouse monoclonal, AE5, purified



Kitao, M., Hayashi, R., et al. Identification of BST2 as a conjunctival epithelial stem/progenitor cell marker. iScience. 2023-07-21.

Species/Reactant: Homo sapiens (Human)Applications: Immunocytochemistry-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

References

Publication	Species	Application
Kitao M. et al. Identification of BST2 as a conjunctival epithelial stem/progenitor cell marker., iScience, 26, 107016, (2023).	human	ICC/IF
Chen, L. et al. Effect of air-lifting on the stemness, junctional protein formation, and cytokeratin expression of in vitro cultivated limbal epithelial cell sheets. Taiwan J. Ophthalmol. 7, 205 (2017).	rabbit	IHC-IF (frozen)