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Keratin(50-60kDa) Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52831

Product Information

Application	WB
Primary Accession	P13647
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	62378

Additional Information

Gene ID	3852
Other Names	58 kDa cytokeratin; CK 5; CK-5; CK5; Cytokeratin-5; Cytokeratin5; DDD; DDD1; EBS 2; EBS2; epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types; K2C5_HUMAN; K5; Keratin 5 (epidermolysis bullosa simplex Dowling-Meara/Kobner/Weber-Cockayne types); keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types); Keratin 5; Keratin; keratin complex 2, basic, gene 5; Keratin Type II Cytoskeletal 5; keratin, type II cytoskeletal 5; Keratin-5; Keratin5; KRT 5; KRT 5A; KRT5; KRT5A; type II cytoskeletal 5; Type-II keratin Kb5.
Dilution	WB~~1:2000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	KRT5 (HGNC:6442)
Function	Structural component of intermediate filaments in basal keratinocytes of stratified epithelia. Forms heteropolymers with type I partners including KRT14 and KRT15, contributing to the formation of the keratin intermediate filament network that provides mechanical stability and resilience to the basal layer of the epidermis (PubMed:1372711, PubMed:1694855). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1 localization in keratinocytes (By

similarity).

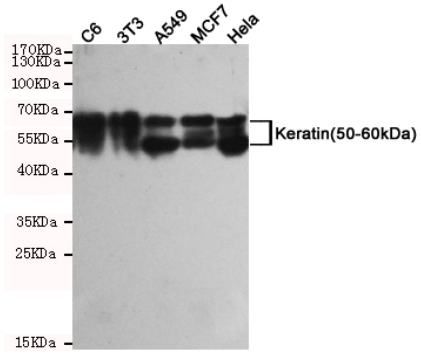
Cellular Location Cytoplasm.

Tissue Location Expressed in corneal epithelium (at protein level) (PubMed:26758872). Expressed in keratinocytes (at protein level) (PubMed:20128788, PubMed:31302245).

References

Eckert R.L.,et al.DNA 7:337-345(1988).
Lersch R.,et al.Mol. Cell. Biol. 9:3685-3697(1989).
Whittock N.V.,et al.Biochem. Biophys. Res. Commun. 274:149-152(2000).
Lersch R.,et al.Mol. Cell. Biol. 8:486-493(1988).
Xu Z.,et al.Clin. Exp. Dermatol. 29:74-76(2004).

Images



Western blot detection of Keratin(50-60kDa) in C6,3T3,A549,MCF7 and Hela cell lysates using Keratin(50-60kDa) mouse mAb (1:2000 diluted).Predicted band size50~60KDa.Observed band size:50~60KDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.