

Product datasheet

anti-Keratin K10 mouse monoclonal, DE-K10, supernatant

Short overview

Cat. No.	11414
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	DE-K10
Immunogen	Cytoskeletal preparation from human epidermis
Formulation	Contains 0.09% sodium azide
UniprotID	P13645 (Human)
Synonym	Keratin, type I cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10, KRT10, KPP
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
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	Human

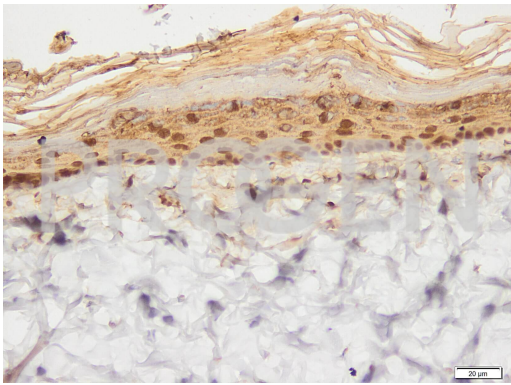
Applications

Immunohistochemistry (IHC) - frozen	1:5-1:20
Immunohistochemistry (IHC) - paraffin	1:5-1:20 (protease treatment recommended)
Western Blot (WB)	1:100-1:250

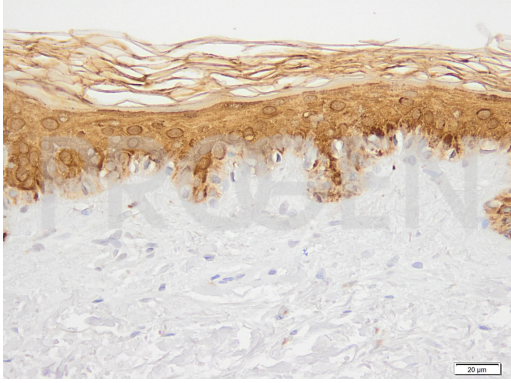
Background

Mouse monoclonal antibody DE-K10 specifically recognizes the 56.6 kDa keratin K10 (formerly also designated cytokeratin 10) polypeptide in squamous cells and carcinomas from e.g. epidermis, lung, bladder, cervix, oesophagus. Positive control: squamous cell carcinoma.

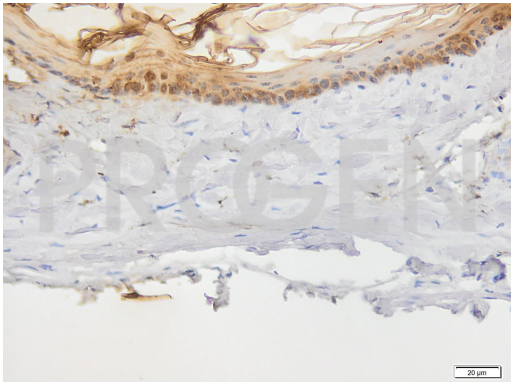
Product images



rat skin (courtesy of J.Heß, University Hospital Heidelberg)



human skin (courtesy of J.Heß, University Hospital Heidelberg)



mouse skin (courtesy of J.Heß, University Hospital Heidelberg)

References

Publication	Species	Application
Larribere, L. et al. An RNAi Screen Reveals an Essential Role for HIPK4 in Human Skin Epithelial Differentiation from iPSCs. Stem.Cell.Reports. 9, 1234-1245 (2017).	human	IHC-IF (paraffin)
Kist, R. et al. The Formation of Endoderm-Derived Taste Sensory Organs Requires a Pax9-Dependent Expansion of Embryonic Taste Bud Progenitor Cells. PLoS Genet. 10, (2014).	mouse	IHC (frozen)
Wallace, L., Roberts-Thompson, L. & Reichelt, J. Deletion of K1/K10 does not impair epidermal stratification but affects desmosomal structure and nuclear integrity. J. Cell Sci. 125, 1750-1758 (2012).	mouse	IHC (frozen)
Langbein, L. et al. Characterization of a Novel Human Type II Epithelial Keratin K1b, Specifically Expressed in Eccrine Sweat Glands. J. Invest. Dermatol. 125, 428-444 (2005).	human	IHC (frozen)
Boehnke, K. et al. Effects of fibroblasts and microenvironment on epidermal regeneration and tissue function in long-term skin equivalents. Eur. J. Cell Biol. 86, 731-746 (2007).	human	IHC (paraffin)