

## Product datasheet

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

#### Short overview

<b>Cat. No.</b>	11414
<b>Quantity</b>	1 ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	DE-K10
<b>Immunogen</b>	Cytoskeletal preparation from human epidermis
<b>Formulation</b>	Contains 0.09% sodium azide
<b>UniprotID</b>	P13645 (Human)
<b>Synonym</b>	Keratin, type I cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10, KRT10, KPP
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Hybridoma cell culture supernatant
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	IHC, WB
<b>Reactivity</b>	Human

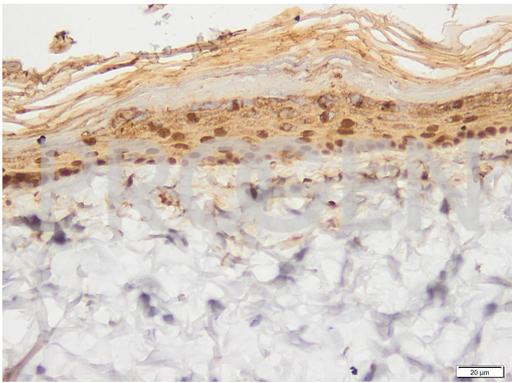
#### Applications

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

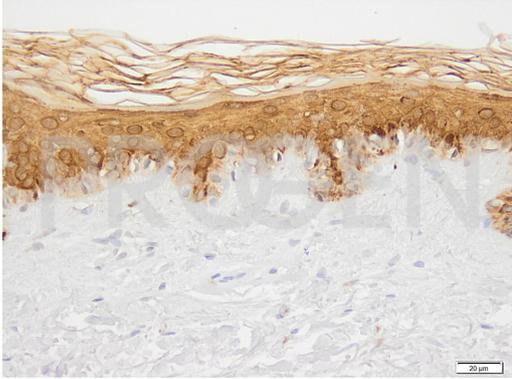
#### Background

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.

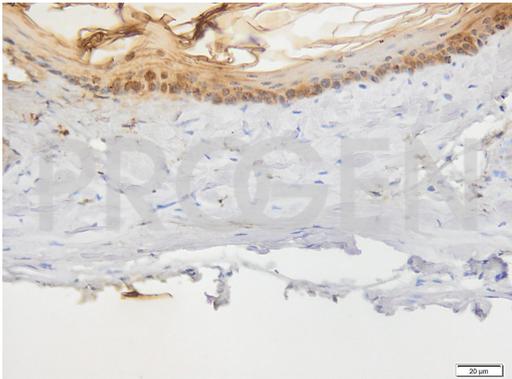
#### Product images



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
<a href="#">Boink, M. et al. Comparison of advanced therapy medicinal product gingiva and skin substitutes and their in vitro wound healing potentials. J.Tissue.Eng.Regen.Med. 12, e1088-e1097 (2018).</a>	human	IHC (paraffin)
<a href="#">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).</a>	human	IHC-IF (paraffin)
<a href="#">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).</a>	mouse	IHC (frozen)
<a href="#">Langbein, L. et al. New facets of keratin K77: Interspecies variations of expression and different intracellular location in embryonic and adult skin of humans and mice. Cell Tissue Res. 354, 793-812 (2013).</a>	human,mouse	IHC (frozen)
<a href="#">Wallace, L., Roberts-Thompson, L. &amp; 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).</a>	mouse	IHC (frozen)