

Product datasheet

anti-Keratin Pan guinea pig polyclonal, serum

Short overview

Cat. No.	GP14
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptides of human keratins
Formulation	Contains 0.09% sodium azide and 0.5% BSA
Synonym	Cytokeratin Pan
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
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	ICC/IF, IHC, WB
Reactivity	Human, Mouse

Applications

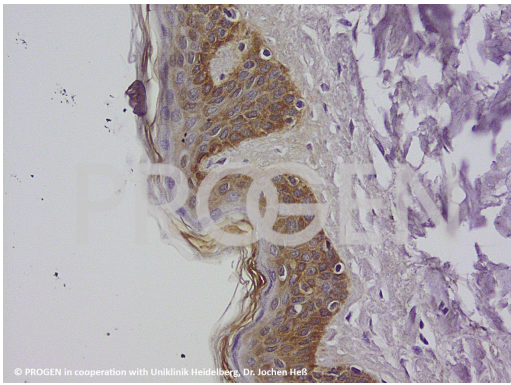
Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:250-1:500
Immunohistochemistry (IHC) - paraffin	1:250-1:500 (microwave treatment recommended)
Western Blot (WB)	1:1,000-1:2,000

Background

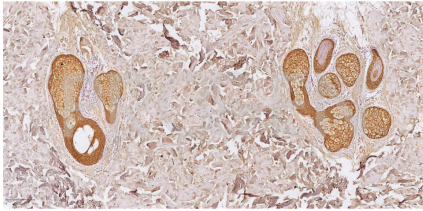
Reactive polypeptides: acidic (K1, K4, K8) and basic (K14) keratins (Mr 40,000-Mr 68,000 polypeptides).

Tumors specifically detected: all types of epithelia and epithelium-derived neoplasms.

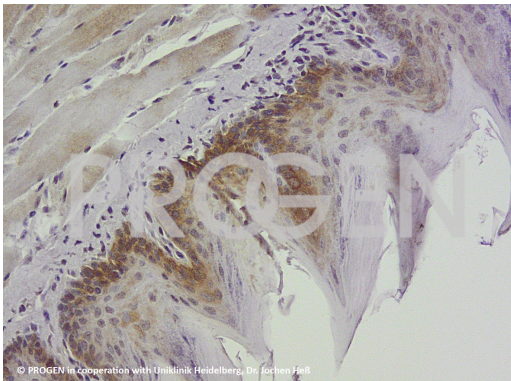
Product images



IHC-P with anti-Keratin pan antibody on human skin (courtesy of J.Hess, University Hospital Heidelberg)



IHC analysis of human skin using anti-Keratin Pan antibody (Cat. No. GP14). IHC was performed on formalin fixed paraffin embedded sections. The samples were deparaffinized with xylol and ethanol followed by heat induced antigen retrieval with 10 mM citrate buffer. After preparation the tissue was blocked with normal serum for 20 min at RT. The primary antibody anti-Keratin Pan (Cat. No. GP14) was diluted in PBS (1:250) and incubated at 4°C over-night. The secondary antibody biotin anti-guinea pig was incubated for 30 min at RT. Sections were incubated with ABC solution (VectorLaboratories) for 30 min at RT. Slides were stained with DAB solution until a brown staining is visible and with Haemalaun for a few minutes. The picture was acquired using microscopy (courtesy of J.Hess, University Hospital Heidelberg).



IHC-P with anti-Keratin pan antibody on mouse tongue (courtesy of J.Hess, University Hospital Heidelberg)

References

Publication	Species	Application
Moch, M. & Leube, R. E. Hemidesmosome-related keratin filament bundling and nucleation. Int. J. Mol. Sci. 22, 1â€“24 (2021).	human	ICC-IF
Barbone, D. et al. Vorinostat Eliminates Multicellular Resistance of Mesothelioma 3D Spheroids via Restoration of Noxa Expression. PLoS One 7, (2012).	human	IHC (paraffin)
Barbone, D. et al. The Bcl-2 repertoire of mesothelioma spheroids underlies acquired apoptotic multicellular resistance. Cell Death Dis. 2, (2011).	human	IHC (paraffin)
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, 731â€“746 (2007).	human	IHC (paraffin)
Obermueller, E., Vosseler, S., Fusenig, N. E. & Mueller, M. M. Cooperative Autocrine and Paracrine Functions of Granulocyte Colony-Stimulating Factor and Granulocyte-Macrophage Colony-Stimulating Factor in the Progression of Skin Carcinoma Cells. CANCER	human	IHC (frozen)