

Product datasheet

anti-Keratin Type II mouse monoclonal, Ks pan1-8, lyophilized, purified

Short overview

Cat. No.	61006
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

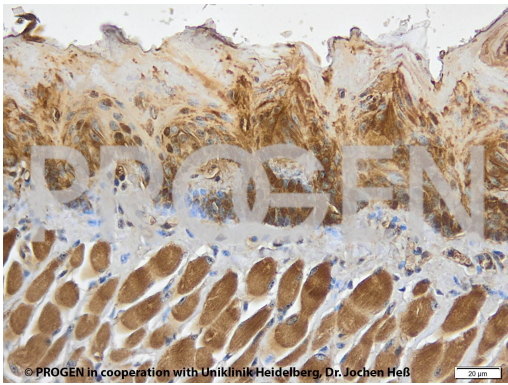
Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a
Clone	Ks pan1-8
Immunogen	Cytoskeletal proteins from cultured human MCF-7 cells
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months 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	Amphibia, Bovine, Human, Mouse, Rat

Background

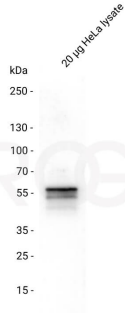
Ks pan1-8 represents an excellent marker for distinguishing carcinomas from non-epithelial tumors. Polypeptides reacting: Mr 52,500-Mr 68,000 keratins (type II keratins K1-K8; formerly also designated cytokeratins 1-8) of human epithelial cells. Tumors specifically detected: all epithelium-derived neoplasms.

Reactivity on cultured cell lines MCF-7, RT 112, HT-29, Detroit 562, RPMI 2650, SSC-12.

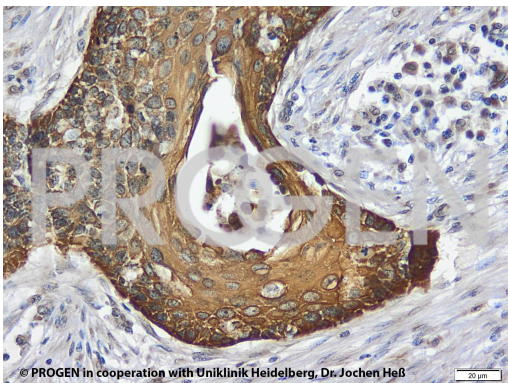
Product images



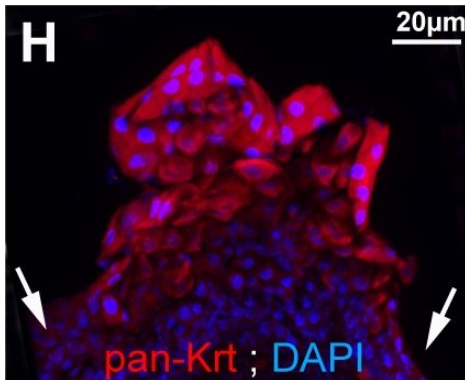
IHC of mouse tongue (courtesy of J.Heß, University Hospital Heidelberg)



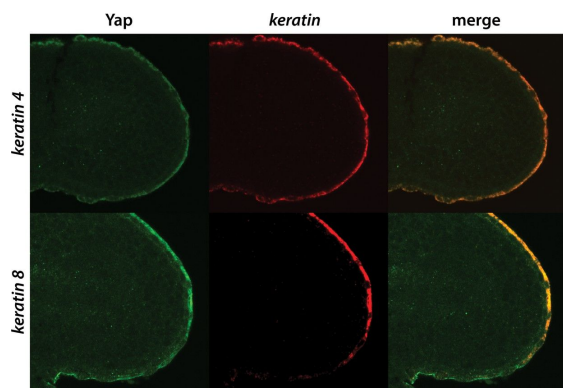
Western blot analysis of HeLa lysate with anti-Keratin Type II antibody. Western blot analysis was performed on 20 µg HeLa lysate. Cells were lysed with RIPA buffer. The PVDF membrane was blocked with 5% dry milk in PBST (PBS + 0.1% Tween 20) for 1 h at RT. The primary antibody anti-Keratin Type II mouse monoclonal, Ks pan1-8 (Cat. No. 690006) was diluted in blocking buffer (antibody concentration 0.1 µg/ml) and incubated for 1 h at RT. The secondary antibody anti-mouse IgG goat polyclonal, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using Pierce™ ECL Western Blotting Substrate.



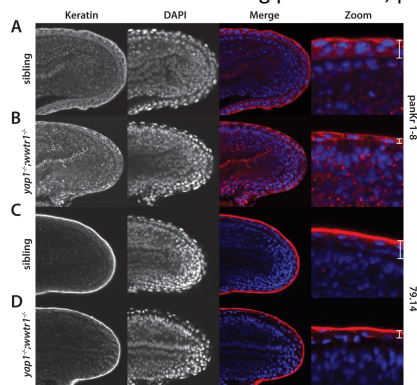
IHC of human HNSCC tissue (courtesy of J.Heß, University Hospital Heidelberg)



[Fischer, B., Metzger, M., et al. p53 and Tap63 promote keratinocyte proliferation and differentiation in breeding tubercles of the zebrafish. PLoS Genet. 2014-01-01.](#) Species/Reactant: Danio rerio (Zebrafish) Applications: Immunohistochemistry-immunofluorescence Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



[Kimelman, D., Smith, N. L., et al. Regulation of posterior body and epidermal morphogenesis in zebrafish by localized Yap1 and Wwtr1. Elife. 2017-12-28.](#) Species/Reactant: Danio rerio (Zebrafish)Applications: Immunohistochemistry-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



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References

Publication	Species	Application
Kasai, Y. et al. A stable protocol for the fabrication of transplantable human oral mucosal epithelial cell sheets for clinical application. Regen Ther. 14, 87-94(2020).	human	FACS
Kimelman, D. et al. Regulation of posterior body and epidermal morphogenesis in zebrafish by localized Yap1 and Wwtr1. Elife. 6, Å (2017).	zebrafish	whole mount
Hatzold, J. et al. Tumor suppression in basal keratinocytes via dual non-cell-autonomous functions of a Na,K-ATPase beta subunit.eLife, 5 (2016).	zebrafish	whole mount
Fischer, B. et al. p53 and TAp63 Promote Keratinocyte Proliferation and Differentiation in Breeding Tubercles of the Zebrafish 6 Cologne Excellence Cluster on Cellular Stress Responses in Aging-Associated Diseases. PLoS Genet 10, (2014).	zebrafish	IHC
Montpetit, A. et al. Disruption of AP1S1, Causing a Novel Neurocutaneous Syndrome, Perturbs Development of the Skin and Spinal Cord. PLoS Genet 4, (2008).	zebrafish	whole mount