

## Product datasheet

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

### Short overview

Cat. No.	61006_1
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

### Product description

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)

### Applications

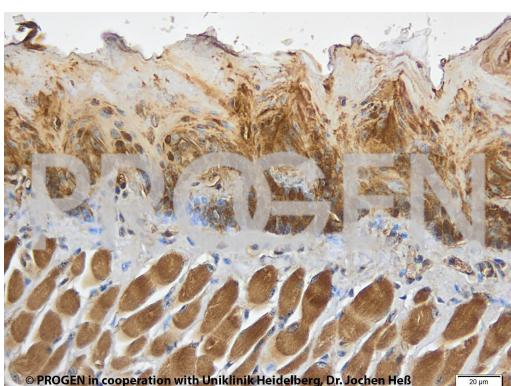
Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:100 (0.5-5 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:10-1:100 (0.5-5 µg/ml, microwave treatment recommended)
Western Blot (WB)	1:500 (0.1 µg/ml)

### Background

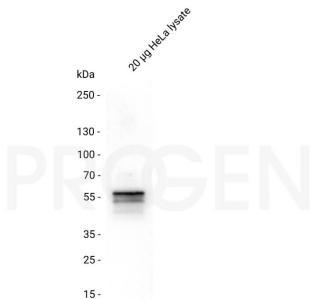
Ks pan1-8 represents an excellent marker for distinguishing carcinomas from non-epithelial tumors. Polypeptides reacting: Mr 52,500-Mr 68,000 keratins (type II keratins K1-K8; formerly also designated cytokeratins 1-8) of human epithelial cells. Tumors specifically detected: all epithelium-derived neoplasms.

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 PierceTM ECL Western Blotting Substrate.



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

## References

Publication	Species	Application
<a href="#">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).</a>	human	FACS
<a href="#">Kimelman, D. et al. Regulation of posterior body and epidermal morphogenesis in zebrafish by localized Yap1 and Wwtr1. Elife. 6,Â (2017).</a>	zebrafish	whole mount
<a href="#">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).</a>	zebrafish	whole mount
<a href="#">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).</a>	zebrafish	IHC
<a href="#">Montpetit, A. et al. Disruption of AP1S1, Causing a Novel Neurocutaneous Syndrome, Perturbs Development of the Skin and Spinal Cord. PLoS Genet 4, (2008).</a>	zebrafish	whole mount