

Product datasheet

anti-Keratin K8 mouse monoclonal, Ks8.7, prediluted, purified

Short overview

Cat. No.	19038
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Ks8.7
Immunogen	Cytoskeletal proteins from cultured HeLa cells
Formulation	PBS with 0.5% BSA and 0.09% sodium azide
UniprotID	P05787 (Human)
Synonym	Keratin, type II cytoskeletal 8, Cytokeratin-8, CK-8, Keratin-8, K8, Type-II keratin Kb8, KRT8, CYK8
Conjugate	Unconjugated
Purification	Affinity chromatography
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	Hamster, Human
No reactivity	Bovine, Pig

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:20-1:50
Immunohistochemistry (IHC) - paraffin	1:20-1:50 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

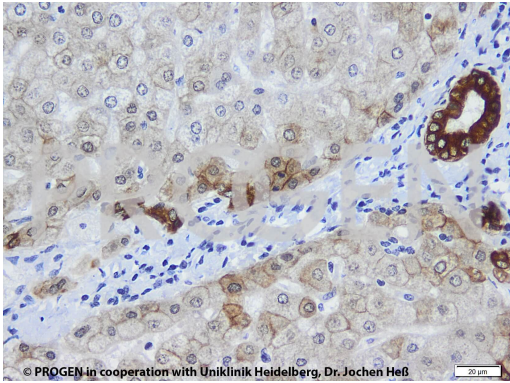
Ks8.7 represents an excellent marker to discriminate simple epithelia from those of different origin.

Polypeptide reacting: Mr 52,500 polypeptide (keratin K8; formerly also designated cytokeratin 8) of human epithelia.

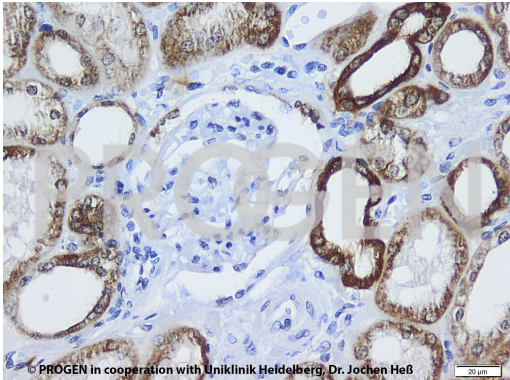
Reactivity on cultured cell lines: MCF-7.

Tumors specifically detected: all adenocarcinoma tested; undifferentiated carcinoma; cervix carcinoma; hepatocellular carcinoma.

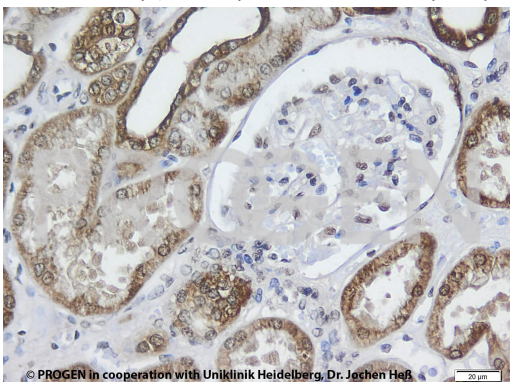
Product images



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



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



human kidney (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)
Plum, W. et al. Lack of Glycoprotein 130/Signal Transducer and Activator of Transcription 3-Mediated Signaling in Hepatocytes Enhances Chronic Liver Injury and Fibrosis Progression in a Model of Sclerosing Cholangitis. Am. J. Pathol. 176, 2236â€”2246 (2020).	mouse	IHC (frozen)
Sano, Y. et al. Basal cell adenocarcinoma on bulbar conjunctiva of third eyelid in a dog. J.Vet.Med.Sci. 81, 30-34 (2019).	dog	IHC
Gross, A. et al. Desmoplakin Maintains Transcellular Keratin Scaffolding and Protects From Intestinal Injury. Cmg 13, 1181â€”1200 (2022).	Mouse	WB
Stumptner, C. Mallory bodyâ€”A disease-associated type of sequestosome. Hepatology 35, 1053â€”1062 (2002).	human,mouse	IHC (frozen),IEM