Product datasheet

anti-Keratin K8 mouse monoclonal, Ks8.7, liquid, purified, sample

Short overview

Cat. No.	690038S
Quantity	200 µl (50 µg/ml)
Concentration	50 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Ks8.7
Immunogen	Cytoskeletal proteins from cultured HeLa cells
Formulation	Contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4
UniprotID	P05787 (Human)
Synomym	Keratin, type II cytoskeletal 8, Cytokeratin-8, CK-8, Keratin-8, K8, Type-II keratin Kb8, KRT8, CYK8
Note	Centrifuge prior to opening
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	1:50-1:100
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (microwave treatment recommended)
Western Blot (WB)	1:50-1:500

Background

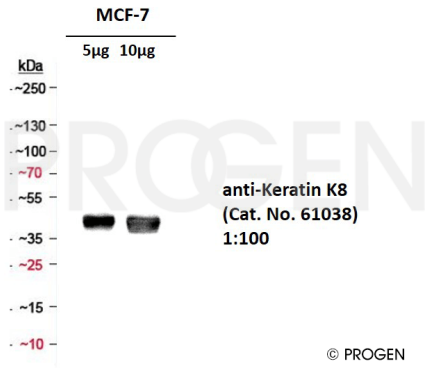
Ks8.7 represents an excellent marker to discriminate simple epithelia from those of different origin.

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

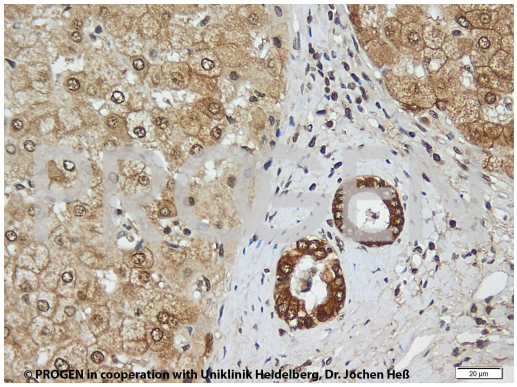
Reactivity on cultured cell lines: MCF-7.

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

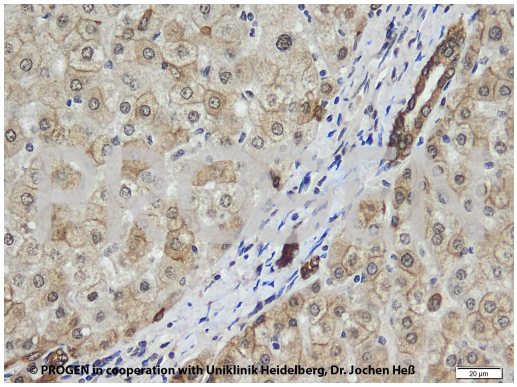
Product images



WB with anti-Keratin K8 antibody (Cat. No. 61038, 1:100), MCF7 whole cell lysate (5-10 µg)



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



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

References

Publication	Species	Application
Gross, A. et al. Desmoplakin Maintains Transcellular Keratin Scaffolding and Protects From Intestinal Injury. Cmgh 13, 1181â€“1200 (2022).	Mouse	WB
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
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)
Bitam, S. et al. An unexpected effect of TNF-? on F508del-CFTR maturation and function. F1000 Res. 4, (2015).	human	ICC-IF
Zatloukal, B. et al. Sensitivity and specificity of in situ proximity ligation for protein interaction analysis in a model of steatohepatitis with mallory-denk bodies. PLoS One 9, (2014).	mouse	IHC (frozen)