# Product datasheet

## anti-Keratin K8 mouse monoclonal, Ks8.7, lyophilized, purified

### Short overview

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|---|---|
| **Cat. No.** | 61038 |
| **Quantity** | 50 µg |
| **Concentration** | 50 µg/ml after reconstitution with 1 ml dist. water |

### Product description

| | |
|---|---|
| **Host** | Mouse |
| **Antibody Type** | Monoclonal |
| **Isotype** | IgG1 |
| **Clone** | Ks8.7 |
| **Immunogen** | Cytoskeletal proteins from cultured HeLa 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) |
| **UniprotID** | P05787 (Human) |
| **Synomym** | Keratin, type II cytoskeletal 8, Cytokeratin-8, CK-8, Keratin-8, K8, Type-II keratin Kb8, KRT8, CYK8 |
| **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** | Hamster, Human |
| **No reactivity** | Bovine, Pig |

### Applications

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|---|---|
| **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

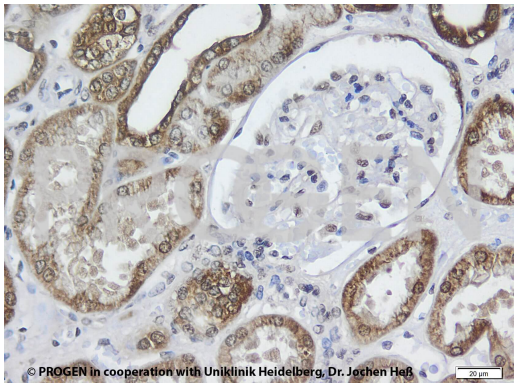
Ks8.7 represents an excellent marker to discriminate simple epithelia from those of different origin.

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

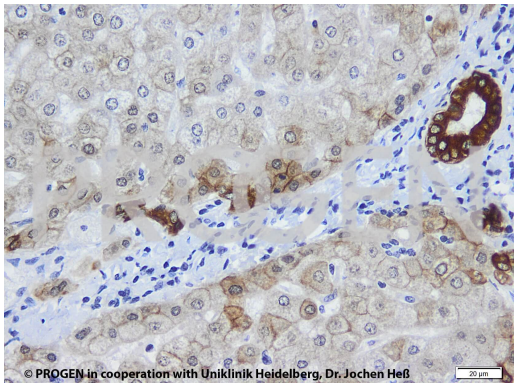
Reactivity on cultured cell lines: MCF-7.

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

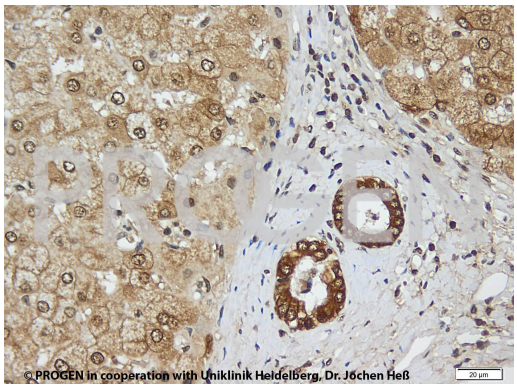
## Product images



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



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 |
|---|---|---|
| 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 (20 | 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. Cmgh 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 |