# Product datasheet

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

## Short overview

| | |
|---|---|
| **Cat. No.** | 690038 |
| **Quantity** | 1 ml (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 |
| **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

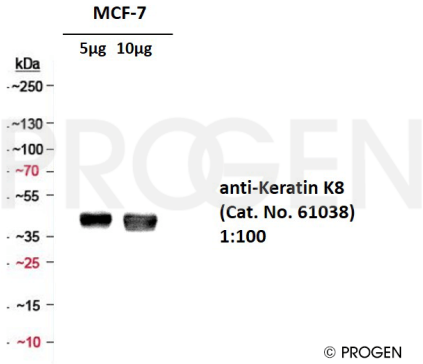
Ks8.7 represents an excellent marker to discriminate simple epithelia from those of different origin.

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

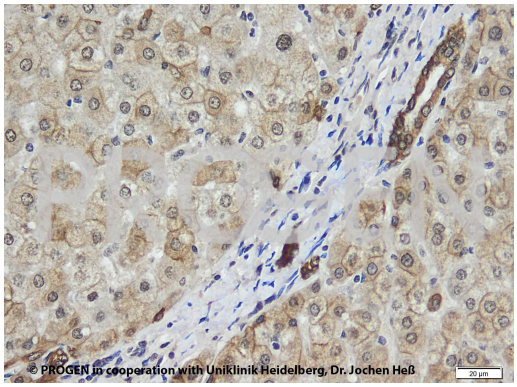
Reactivity on cultured cell lines: MCF-7.

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

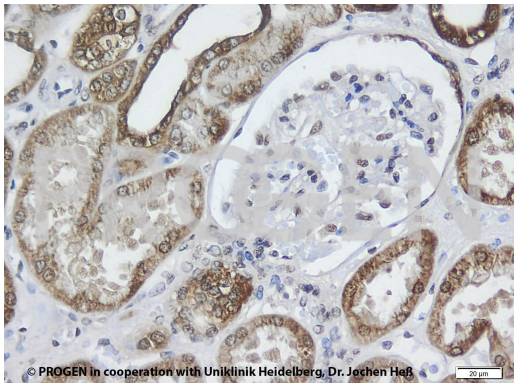
## Product images




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 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 (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 |