Product datasheet

anti-Keratin K8/K18 guinea pig polyclonal, serum

Short overview

Cat. No.	GP11
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Keratin K8/K18 filaments, reconstituted from purified bovine keratins K8 and K18
Formulation	Contains 0.09% sodium azide
UniprotID	P05786 (Bovine), A0A1L1RIW5 (Chicken), P05787 (Human), P11679 (Mouse), Q10758 (Rat)
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	Stabilized antiserum
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	ELISA, IHC, WB
Reactivity	Bovine, Chicken, Hamster, Human, Mouse, Rat

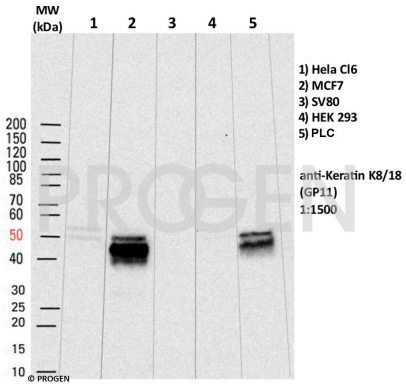
Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - frozen	1:100
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (microwave treatment recommended)
Western Blot (WB)	1:1,500-1:2,500

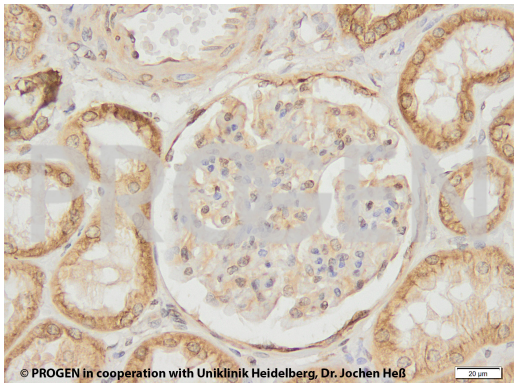
Background

Reactive polypeptide (specificity): Mr 52,500 and 45,500; Keratins K8 and K18 (formerly also designated cytokeratins 8 and 18) of simple type epithelium. Tumors specifically detected: all adenocarcinoma tested, undifferentiated carcinoma, hepatocellular carcinoma, cervix carcinoma.

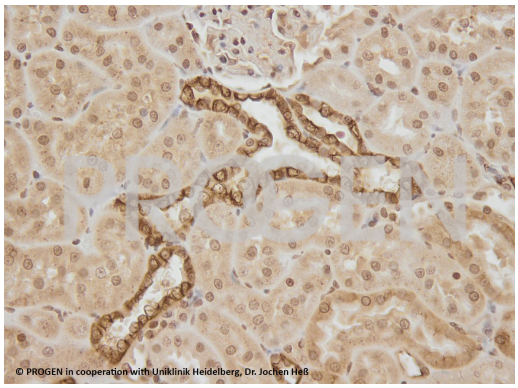
Product images



Western blot with human cell lines



Human Kidney (courtesy of J.Hess, University Hospital Heidelberg)



Rat kidney (courtesy of J. Hess, University Hospital Heidelberg)

References

Publication	Species	Application
Kim, M. et al. Plakophilin 1 deficiency in prostatic tumours is correlated with immune cell recruitment and controls the up-regulation of cytokine expression post-transcriptionally. FEBS J. (2022).	human	IHC-IF (paraffin)
Kakehashi, A. et al. Canopy homolog 2 as a novel molecular target in hepatocarcinogenesis. Cancers (Basel). 13, 3613 (2021).	mouse	IHC
Komai, M. et al. Pathological Study on Epithelial-Mesenchymal Transition in Silicotic Lung Lesions in Rat. Vet.Sci. 6, (2019)	rat	IHC (paraffin)
Hollern, D. et al. A mouse model featuring tissue-specific deletion of p53 and Brca1 gives rise to mammary tumors with genomic and transcriptomic similarities to human basal-like breast cancer. Breast.Cancer.Res.Treat. 174, 143-155 (2019)	mouse	IHC-IF (paraffin)
Linde, N. et al. Macrophages orchestrate breast cancer early dissemination and metastasis. Nat.Commun. 9, 21 (2018).	mouse	IHC (frozen)