

Product datasheet

anti-Keratin K18 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-CK18
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Human keratin K18, purified from MCF-7
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	A1XEA5 (Bovine), P05783 (Human), P05784 (Mouse), Q5BJY9 (Rat)
Synonym	Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18, PIG46
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	ICC/IF, IHC, WB
Reactivity	Bovine, Human, Mouse, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:100-1:250
Immunohistochemistry (IHC) - paraffin	1:100-1:250 (microwave treatment recommended)
Western Blot (WB)	1:2,000

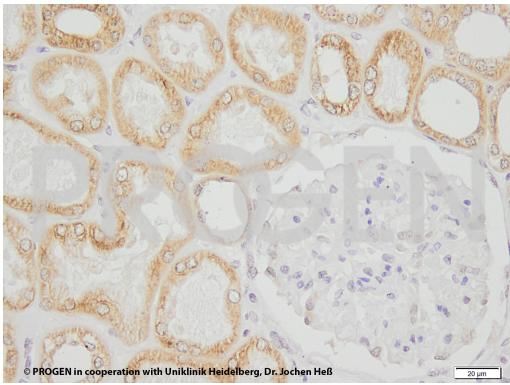
Background

Marker for all simple type epithelia and basal cells of many squamous, nonepidermal epithelia. No cross-reaction with other intermediate filament proteins.

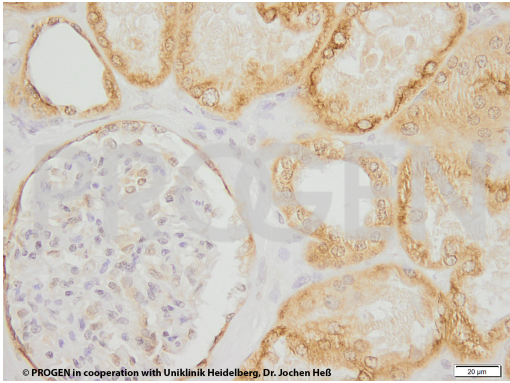
Reactive polypeptide (specificity): acidic human keratin K18 (Mr 45,500; formerly also designated cytokeratin 18).

Tumors specifically detected: all adeno-Ca tested, undifferentiated CA, hepato-cellular CA, cervix Ca.

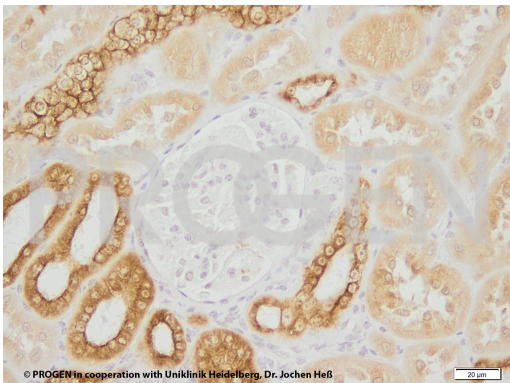
Product images



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



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



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

References

Publication	Species	Application
Twarock, S. et al. Inhibition of the hyaluronan matrix enhances metabolic anticancer therapy by dichloroacetate in vitro and in vivo. Br.J.Pharmacol. 176, 4474-4490 (2019)	human	IHC (frozen)
Oloumi, A. et al. Cooperative signaling between Wnt1 and integrin-linked kinase induces accelerated breast tumor development. Breast Cancer Res. 12, R38 (2010)	mouse	ICC-IF
Herschkowitz, J. I. et al. Identification of conserved gene expression features between murine mammary carcinoma models and human breast tumors. Genome Biol. 8, (2007).	human	IHC (paraffin)