

Product datasheet

anti-Keratin K20 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-K20
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide (KTT EYQ LST LEE RD - C) of human keratin K20 (formerly also designated cytokeratin 20), coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	P35900 (Human),Q9D312 (Mouse)
Synonym	Keratin, type I cytoskeletal 20, Cytokeratin-20, CK-20, Keratin-20, K20, Protein IT, KRT20
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	Human, Mouse

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:200
Immunohistochemistry (IHC) - paraffin	1:100 (trypsin treatment or microwave treatment recommended)
Western Blot (WB)	1:3,000

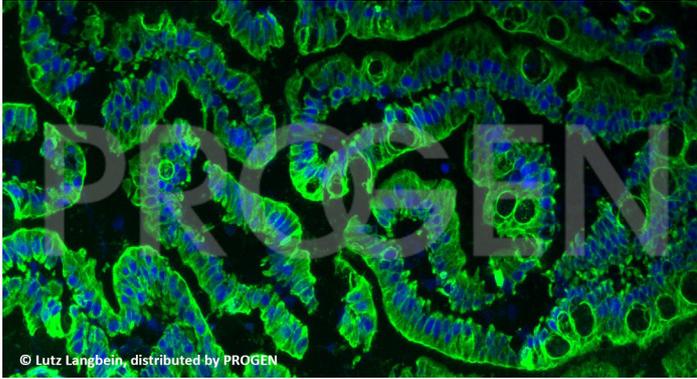
Background

Excellent marker for certain types of carcinomas such as adenocarcinomas of the colon, transitional cell carcinomas of the bladder and Merkel cell tumors of the skin. Very sensitive detection of intestinal and gastric foveolar epithelium, urothelial umbrella cells, Merkel cells of epidermis as well as tumors originating therefrom (e.g. primary and metastatic colorectal carcinoma). Reactive polypeptide (specificity): acidic human keratin K20 (Mr 46,000). Positive control: colon, duodenum, Merkel cells of skin.

Product images



Human sole merkel cells (courtesy of L. Langbein)



Human duodenum (courtesy of L. Langbein)

References

Publication	Species	Application
Paraskevopoulou, V. et al. Notch controls urothelial integrity in the mouse bladder. JCI.Insight. 5, (2020)	mouse	IHC-IF (frozen)
Papafotiou, G. et al. KRT14 marks a subpopulation of bladder basal cells with pivotal role in regeneration and tumorigenesis. Nat. Commun. 7, (2016).	mouse	IHC (frozen)
Bennecke, M. et al. Ink4a/Arf and Oncogene-Induced Senescence Prevent Tumor Progression during Alternative Colorectal Tumorigenesis. Cancer Cell 18, 135â€“146 (2010).	mouse	IHC (paraffin)
Eispert, A.-C. et al. Evidence for distinct populations of human Merkel cells. Histochem. Cell Biol. 132, 83â€“93 (2009).	human	IHC (frozen)