

Product datasheet

anti-Keratin K20 mouse monoclonal, IT-Ks20.10, prediluted, purified

Short overview

Cat. No.	65054
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	IT-Ks20.10
Immunogen	Electrophoretically purified keratin K20 from human intestinal mucosa
Formulation	PBS pH 7.4 with 0.5% BSA and 0.09% sodium azide
UniprotID	Q29218 (Pig), P35900 (Human), Q29218 (Pig)
Synonym	Keratin, type I cytoskeletal 20, Cytokeratin-20, CK-20, Keratin-20, K20, Protein IT, KRT20
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	IHC, WB
Reactivity	Human, Mouse, Pig

Applications

Immunohistochemistry (IHC) - frozen	Ready-to-use
Immunohistochemistry (IHC) - paraffin	Ready-to-use (microwave treatment recommended)
Western Blot (WB)	Assay dependent

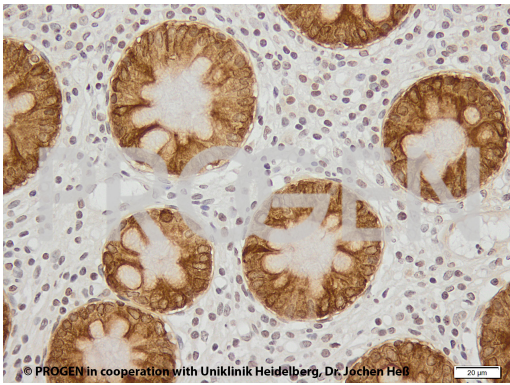
Background

IT-Ks20.10 represents an 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). Adenocarcinomas of breast, lung, endometrium and ovary (non-mucinous) as well as neuroendocrine tumors of the lung are essentially negative.

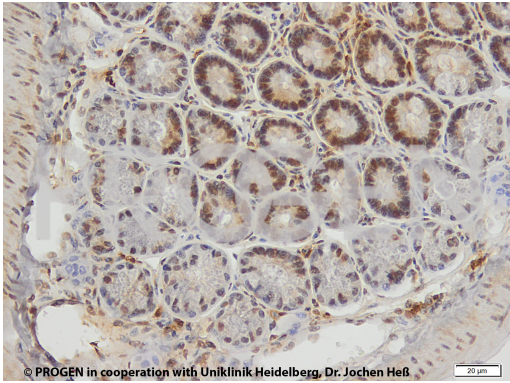
Polypeptide recognized: protein IT (keratin K20; Mr 46,000; formerly also designated cytokeratin 20).

Reactivity on cultured cell lines: HT-29, LoVo, DLD-1, SW 1116, CaCo-2, RT-4.

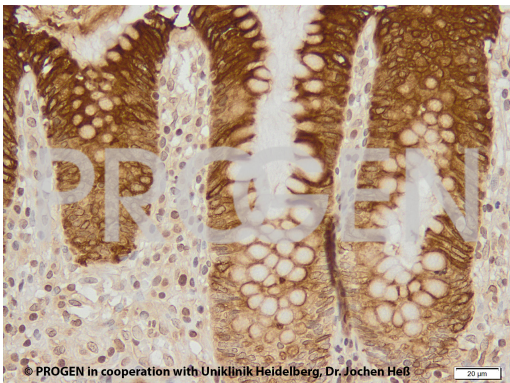
Product images



Human colon (courtesy of J.Heß, University Hospital Heidelberg)



Mouse colon (courtesy of J.Heß, University Hospital Heidelberg)



Human colon (courtesy of J.Heß, University Hospital Heidelberg)

References

Publication	Species	Application
Hartmannsberger, B. et al. Intraepidermal nerve fibre density as biomarker in Charcot-Marie-Tooth disease type 1A. Brain Commun. 2, fcaa012(2020).	human	IHC (frozen)-IF
Eispert, A.-C. et al. Evidence for distinct populations of human Merkel cells. Histochem. Cell Biol. 132, 83â€“93 (2009).	human	IHC (frozen)
Moll, I. et al. Human Merkel cells--aspects of cell biology, distribution and functions. Eur. J. Cell Biol. 84, 259â€“71 (2005).	human	IHC (frozen),IHC (paraffin)