

Product datasheet

anti-Keratin K20 mouse monoclonal, IT-Ks20.3, lyophilized, purified

Short overview

Cat. No.	61032
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	IT-Ks20.3
Immunogen	Electrophoretically purified keratin K20 from human intestinal mucosa
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
UniprotID	Q29218 (Pig)
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months 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, Pig
No reactivity	Dog, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:100
Immunohistochemistry (IHC) - paraffin	1:10-1:100 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

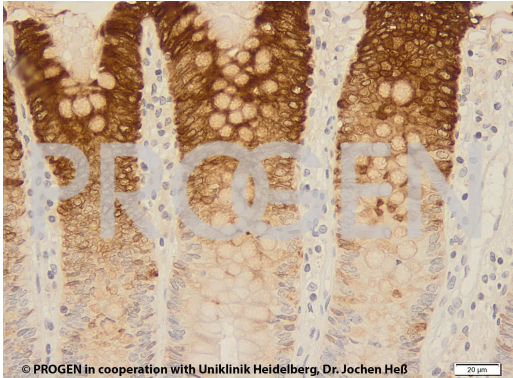
Background

IT-Ks 20.3 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.

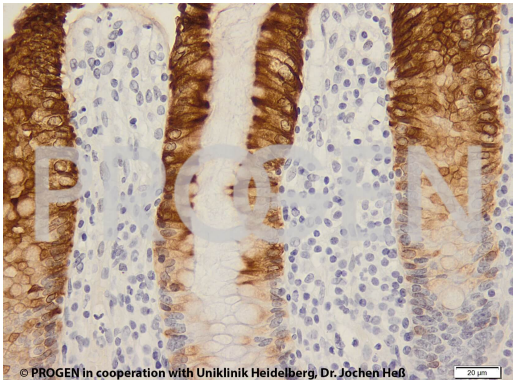
Polypeptide recognized: protein IT (keratin K20; Mr 46,000; formerly also designated cytokeratin 20).

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

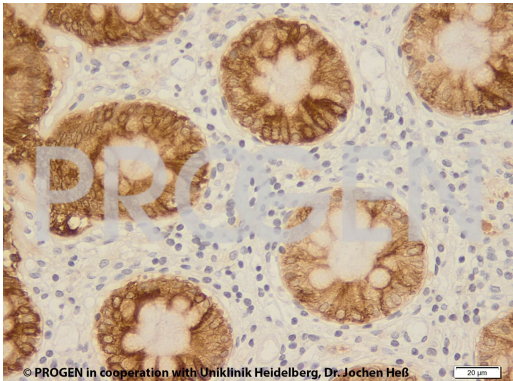
Product images



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



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



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

References

Publication	Species	Application
Moll, R. et al. The human gene encoding cytokeratin 20 and its expression during fetal development and in gastrointestinal carcinomas. Differentiation. 53, 75â€“93 (1993).	human	IHC (frozen)
Moll, R., Lowe, A., Laufer, J. & Franket, W. W. Cytokeratin 20 in Human Carcinomas A New Histodiagnostic Marker Detected by Monoclonal Antibodies. Am. J. Pathol. 140, 427â€“447 (1992).	human	WB,ICC-IF