

## Product datasheet

### anti-Keratin K20 mouse monoclonal, IT-Ks20.8, lyophilized, purified

#### Short overview

<b>Cat. No.</b>	61026
<b>Quantity</b>	50 µg
<b>Concentration</b>	50 µg/ml after reconstitution with 1 ml dist. water

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Clone</b>	IT-Ks20.8
<b>Immunogen</b>	Electrophoretically purified keratin K20 from human intestinal mucosa
<b>Formulation</b>	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
<b>UniprotID</b>	P35900 (Human), Q9D312 (Mouse)
<b>Synonym</b>	Keratin, type I cytoskeletal 20, Cytokeratin-20, CK-20, Keratin-20, K20, Protein IT, KRT20
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage before reconstitution</b>	2-8°C until indicated expiry date
<b>Storage after reconstitution</b>	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	IHC, WB
<b>Reactivity</b>	Human, Mouse

#### Applications

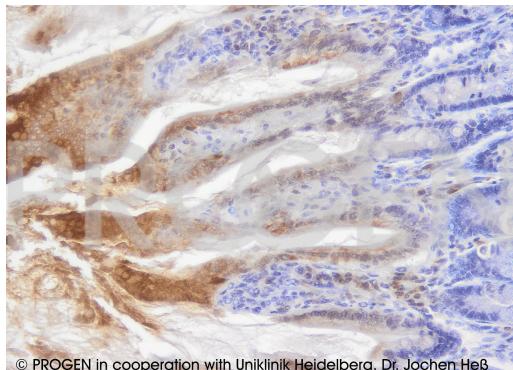
<b>Immunohistochemistry (IHC) - frozen</b>	1:10-1:100 (0.5-5 µg/ml; treatment with 0.02% Triton X-100 recommended)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:100-1:500 (0.5-5 µg/ml; protease treatment and/or microwave treatment recommended)
<b>Western Blot (WB)</b>	1:1,000-1:5,000 (0.01-0.05 µg/ml)

#### Background

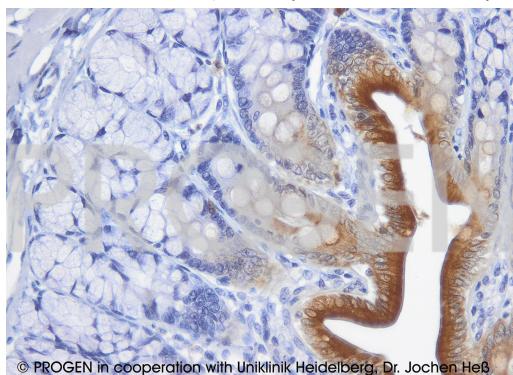
IT-Ks20.8 represents an excellent marker for certain types of carcinomas such as adenocarcinomas of the colon, transitional cell carcinomas of the bladder and Merkel cell tumors of the skin. Very sensitive detection of intestinal and gastric foveolar epithelium, urothelial umbrella cells, Merkel cells 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).

Tested cultured cell lines: RT-4.

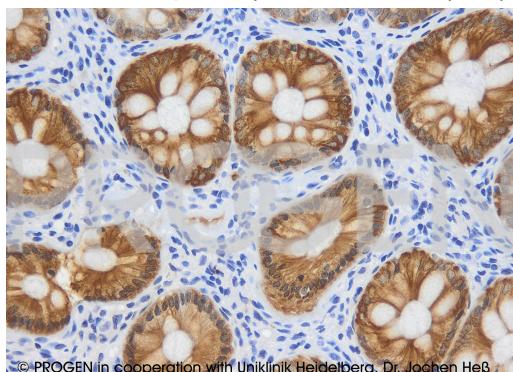
## Product images



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



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



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

## References

Publication	Species	Application
<a href="#">Flatmark, K. et al. Pseudomyxoma peritonei – two novel orthotopic mouse models portray the PMCA-I histopathologic subtype. BMC Cancer 7, (2007).</a>	human	IHC (paraffin)
<a href="#">Moll, I. et al. Human Merkel cells--aspects of cell biology, distribution and functions. Eur. J. Cell Biol. 84, 259–71 (2005).</a>	human	IHC (paraffin)
<a href="#">Moll, R. et al. The human gene encoding cytokeratin 20 and its expression during fetal development and in gastrointestinal carcinomas. Differentiation. 53, 75–93 (1993).</a>	human	IHC (paraffin)
<a href="#">Demirkesen, C., Hoede, N. &amp; Moll, R. Epithelial markers and differentiation in adnexal neoplasms of the skin: an immunohistochemical study including individual cytokeratins. J. Cutan. Pathol. 22, 518–35 (1995).</a>	human	IHC (paraffin)
<a href="#">Romih, R., Jezernik, K. &amp; Masera, A. Uroplakins and cytokeratins in the regenerating rat urothelium after sodium saccharin treatment. Histochem. Cell Biol. 109, 263–9 (1998).</a>	rat	IHC (paraffin)