Product datasheet

anti-Keratin K19 mouse monoclonal, Ks19.2 (Z105.6), liquid, purified, sample

Short overview

Cat. No.	690029S
Quantity	200 µl (50 µg/ml)
Concentration	50 µg/ml (10 µg)

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b
Clone	Ks19.2 (Z105.6)(also published as BM 19.21, MAK 19.21)
Immunogen	Keratin K19 of Mr 40 000; from cultured human MCF-7 cells
Formulation	PBS buffer, pH 7.4 with 0.09% sodium azide and 0.5 % BSA
Synomym	Cytokeratin 19
Note	Centrifuge prior to opening
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	ELISA, ICC/IF, IHC, WB
Reactivity	Bovine, Human, Rabbit, Rat
No reactivity	Chicken, Mouse, Woodchuck, Xenopus

Applications

ELISA	Assay dependent
Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:50 (1-5 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:10-1:500 (0.1-5 µg/ml; microwave treatment recommended)
Western Blot (WB)	1:50-1:500 (0.1-1 µg/ml)

Background

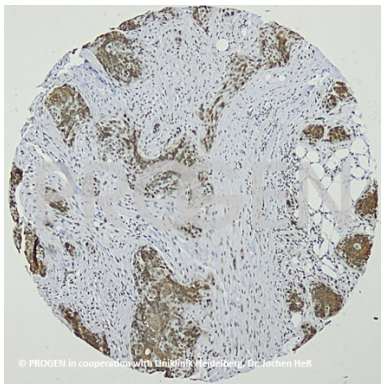
Ks 19.2 represents an excellent marker to discriminate glandular epithelial carcinoma from those of different origin. No reaction with hepatocellular carcinoma! Polypeptide Reacting: Mr 40,000 polypeptide (keratin K19; formerly also designated cytokeratin 19) of human glandular epithelia. The epitope has been localized on aa. 352-368 (VRADSERQNQEYQRLMD) of the alpha-helical fragment.

Tumors specifically detected: all tested adenocarcinoma; cholangio carcinoma of liver; renal cell carcinoma; transitional cell carcinoma of the bladder; ovary carcinoma; squamous cell carcinoma of cervix, bronchus and lung (intermediate type); mesothelioma; carcinoid tumor of

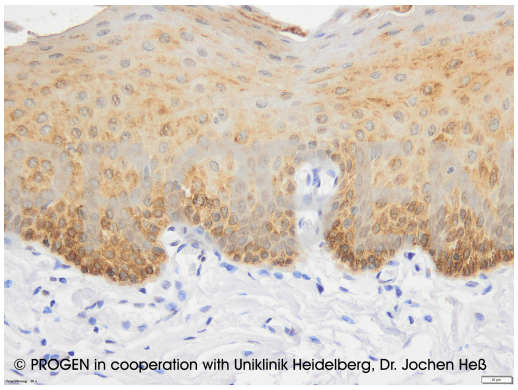
bronchus; breast carcinoma; thymoma.

Reactivity on cultured cell lines: MCF-7.

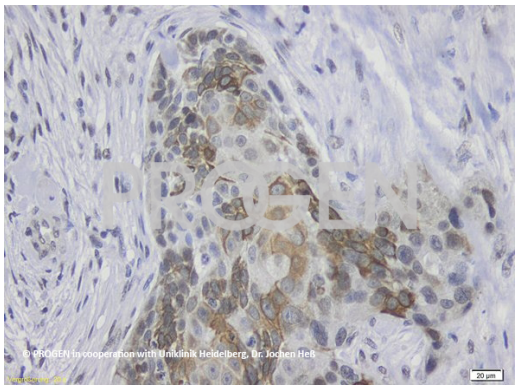
Product images



Human head and neck squamous-cell carcinoma (HNSCC) (courtesy of J.Heß, University)



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



Human head and neck squamous-cell carcinoma (HNSCC) (courtesy of J.Heß, University)

References

Publication	Species	Application
Van Der Gaast â€™, A. et al. Evaluation of a new tumour marker in patients with non-small-cell lung cancer: Cyfra 21.1. Br. J. Cancer 69, 525â€“528 (1994).	human	ELISA
Pujol, J. L. et al. Serum fragment of cytokeratin subunit 19 measured by CYFRA 21-1 immunoradiometric assay as a marker of lung cancer. Cancer Res. 53, 61â€“6 (1993).	human	ELISA
Heid, H. W., Moll, I. & Franke, W. W. Patterns of expression of trichocytic and epithelial cytokeratins in mammalian tissues. I. Human and bovine hair follicles. Differentiation. 37, 137â€“57 (1988).	human	IHC (frozen)
Sawitza, I., Kordes, C., GÃ¶tze, S., Herebian, D. & HÃ¤ussinger, D. Bile acids induce hepatic differentiation of mesenchymal stem cells. Sci. Rep. 5, (2015).	rat	ICC-IF
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)