Product datasheet

anti-Keratin K13 mouse monoclonal, Ks13.1, prediluted, purified

Short overview

Cat. No.	19007
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Ks13.1
Immunogen	Keratin K13 of Mr 54,000 purified from human esophagus
Formulation	PBS with 0.5% BSA and 0.09% sodium azide
Synomym	Cytokeratin 13
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	ICC/IF, IHC, WB
Reactivity	Bovine, Human, Rat

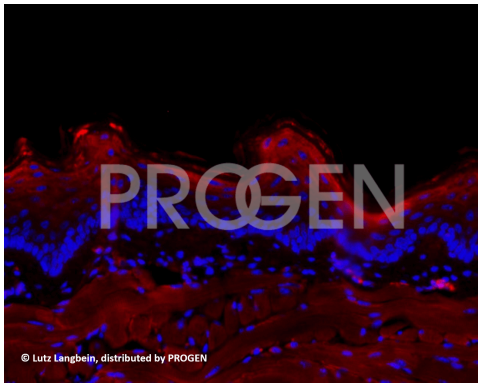
Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:50
Immunohistochemistry (IHC) - paraffin	1:50 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

Ks 13.1 represents an excellent marker to discriminate non-cornified squamous epithelia from those of different origin.Polypeptide reacting: Mr 54,000 polypeptide human keratin K13 (formerly designated cytokeratin 13; with minor affinity to keratins K14, Mr 50,000, and K16, Mr 48,000 and also to K25, formerly designated K25irs1 from inner root sheath of hair follicle).Tumors specifically detected: several squamous cell carcinomas, e.g. cervix carcinoma; transitional cell carcinoma of the bladder; craniopharyngioma.Reactivity on cultured cell lines: cell lines from squamous cell CA, e.g. A-431 from epidermoid CA of vulva; RT 112, RT-4 of urinary bladder CA.

Product images



Mouse tongue (courtesy of L. Langbein)



Mouse tongue (courtesy of L. Langbein)

References

Publication	Species	Application
Moll, R. et al. Cytokeratins in normal and malignant transitional epithelium: maintenance of expression of urothelial differentiation features in transitional cell carcinomas and bladder carcinoma cell culture lines. Am. J. Pathol. 132, 123â€“144 (1988).	human	WB,IHC (frozen),IHC (paraffin),ICC-IF
Heid, H. W. et al. Patterns of expression of trichocytic and epithelial cytokeratins in mammalian tissues II. Concomitant and mutually ... Differentiation 37, 215â€“230 (1988).	human	IHC (frozen)
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)