Product datasheet

anti-Keratin K18 mouse monoclonal, RCK106, supernatant

Short overview

Cat. No.	11416
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	RCK106
Immunogen	Human keratin preparation
Formulation	Contains 0.09 % sodium azide
UniprotID	P05783 (Human),P05784 (Mouse)
Synomym	Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18, PIG46
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
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	Human, Mouse, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:20
Western Blot (WB)	Assay dependent

Background

Mab RCK 106 specifically recognizes all simple type epithelia. The antibody is not reactive with stratified and non-stratified squamous epithelia. Polypeptide reacting: 45 kD keratin K18 (formerly also designated cytokeratin 18).

Positive control: Glandular epithelium (e.g. endocervix).

Product images

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References

Publication	Species	Application
Waseem, A. et al. Conformational changes in the rod domain of human keratin 8 following heterotypic association with keratin 18 and its implication for filament stability. Biochemistry 43, 1283â€“95 (2004).	human	ICC-IF
Schaafsma, H. E. & Ramaekers, F. C. Cytokeratin subtyping in normal and neoplastic epithelium: basic principles and diagnostic applications. Pathol. Annu. 29 Pt 1, 21â€“62 (1994).	human	IHC (frozen)
Smedts, F. et al. Keratin expression in cervical cancer. Am. J. Pathol. 141, 497â€“511 (1992).	human	IHC (frozen)
Smedts, F. et al. Changing patterns of keratin expression during progression of cervical intraepithelial neoplasia. Am. J. Pathol. 136, 657â€“68 (1990).	human	WB,IHC (frozen)
Ramaekers, F., Huysmans, A., Schaart, G., Moesker, O. & Vooijs, P. Tissue distribution of keratin 7 as monitored by a monoclonal antibody. Exp. Cell Res. 170, 235â€“249 (1987).	human	WB,IHC (frozen)