Product datasheet

anti-Keratin K4 mouse monoclonal, 6B10, supernatant

Short overview

Cat. No.	10525
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	6B10
Immunogen	Human esophagus
Formulation	Contains 0.1% sodium azide
UniprotID	P19013 (Human)
Synomym	Keratin, type II cytoskeletal 4, Cytokeratin-4, CK-4, Keratin-4, K4, Type-II keratin Kb4, KRT4, CYK4
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	IHC
Reactivity	Human

Applications

Immunohistochemistry (IHC) - frozen	1:5-1:10

Background

6B10 recognizes keratin K4 in non-cornifying squamous epithelia. Keratin K4 is mostly present in combination with keratin K13. In contrast to keratin K13, the superficial cells of the cornea are reactive with keratin K4. 6B10 also stains ciliated pseudo-stratified epithelium of bronchi and, focally, ductal epithelial cells. Polypeptide reacting: 59 kDa keratin K4 (formerly also designated cytokeratin 4).

Positive control: squamous cell carcinomas.

Product images



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References

Publication	Species	Application
Langbein, L. et al. New facets of keratin K77: Interspecies variations of expression and different intracellular location in embryonic and adult skin of humans and mice. Cell Tissue Res. 354, 793â€“812 (2013).	human	IHC (frozen)
Corver, W. E. et al. Four-color multiparameter DNA flow cytometric method to study phenotypic intratumor heterogeneity in cervical cancer. Cytometry 39, 96â€“107 (2000).	human	FACS
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)
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)
Smedts, F. et al. Keratin expression in cervical cancer. Am. J. Pathol. 141, 497â€“511 (1992).	human	IHC (frozen)