

Product datasheet

anti-Keratin K18 mouse monoclonal, Ks18.04, Biotin Conjugate

Short overview

Cat. No.	61528
Quantity	250 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Ks18.04
Immunogen	Human keratin K18 from HeLa cytoskeletal preparation
Formulation	Contains 0.09% sodium azide
UniprotID	A1XEA5 (Bovine),P05783 (Human),P05784 (Mouse),F1SGG1 (Pig),Q5BJY9 (Rat),W5Q5M3 (Sheep),W5Q5M3 (Sheep)
Synonym	Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18, PIG46
Conjugate	Biotin
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, ICC/IF, IHC, WB
Reactivity	Bovine, Dog, Hamster, Human, Mouse, Pig, Rat, Sheep, Trout, Zebrafish

Applications

ELISA	Assay dependent
Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10
Immunohistochemistry (IHC) - paraffin	1:10 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

Ks18.04 represents an excellent marker to discriminate simple epithelia from those of different origin. Tumors specifically detected: all adenocarcinoma; mammary carcinoma, urinary bladder carcinoma, undifferentiated carcinoma, cervix carcinoma, hepatocellular carcinoma. Polypeptide reacting: Mr 45,000 polypeptide (human keratin K18; formerly also designated cytokeratin 18) of all simple type epithelia and basal cells of many squamous, nonepidermal epithelia.

Tested cultured cell lines: MCF-7.

Product images



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References

Publication	Species	Application
Isozaki, Y. et al. The Rho-guanine nucleotide exchange factor Solo decelerates collective cell migration by modulating the Rho-ROCK pathway and keratin networks. Mol Biol Cell. 31, 741-752(2020).	dog	WB
Hojo, M. et al. A histopathological analysis of spontaneous neoplastic and non-neoplastic lesions in aged male RccHan:WIST rats. J.Toxicol.Pathol. 33, 47-55 (2020)	rat	IHC (paraffin)
Santoro, A. et al. p53 Loss in Breast Cancer Leads to Myc Activation, Increased Cell Plasticity, and Expression of a Mitotic Signature with Prognostic Value. Cell.Rep. 26, 624-638.e8 (2019)	mouse	IHC (paraffin)
Norum, J. et al. GLI1-induced mammary gland tumours are transplantable and maintain major molecular features. Int.J.Cancer. . (2019)	mouse	IHC (paraffin)
Ordonez, L. et al. Rapid activation of epithelial-mesenchymal transition drives PARP inhibitor resistance in Brca2-mutant mammary tumours. Oncotarget. 10, 2586-2606 (2019)	mouse	IHC (paraffin)