Product datasheet

anti-Desmoplakin 1/2 mouse monoclonal, DP I/II 236.23.1, supernatant

Short overview

Cat. No.	651109
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b
Clone	DP I/II 236.23.1
Immunogen	C-terminal polypeptide of recombinant human desmoplakin (starting at amino acid position 1980)
Formulation	Contains 0.09% sodium azide
UniprotID	A0A3Q1MR22 (Bovine),P15924 (Human),E9Q557 (Mouse)
Synomym	Desmoplakin, DP, 250/210 kDa paraneoplastic pemphigus antigen, DSP
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	Bovine, Human, Mouse

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	Ready-to-use
Immunohistochemistry (IHC) - paraffin	Ready-to-use (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

The antibody shows distinct punctate membrane staining of different epithelia. Desmosomes of the myocardium are also positive. Tumors specifically detected: primary and metastatic carcinoma and meningioma. Polypeptides reacting: desmoplakin 1 and 2 (Mr 250,000 and 215,000).

Reactivity on cultured cell lines: several human carcinoma cell lines: MCF-7,A-431, HaCaT, CaCo2; bovine cells: MDBK, BMGE.

Product images

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References

Publication	Species	Application
Kubelt, C.et al. Epithelial-to-mesenchymal transition in paired human primary and recurrent glioblastomas. International Journal of Oncology 46 (2015).	human	IHC (frozen)
Takaoka, M. et al. Novel Sutureless Keratoplasty with a Chemically Defined Bioadhesive. Investig. Opthalmology Vis. Sci. 50, 2679 (2009).	rabbit	IHC (frozen)
Akat, K. et al. Molecular characterization of desmosomes in meningiomas and arachnoidal tissue. Acta Neuropathol. 106, 337â€“347 (2003).	human	WB,IHC (frozen)