

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)
Synonym	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. Ophthalmology Vis. Sci. 50, 2679 (2009).	rabbit	IHC (frozen)
Akat, K. et al. Molecular characterization of desmosomes in meningiomas and arachnoidal tissue. Acta Neuropathol. 106, 337–347 (2003).	human	WB, IHC (frozen)