

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

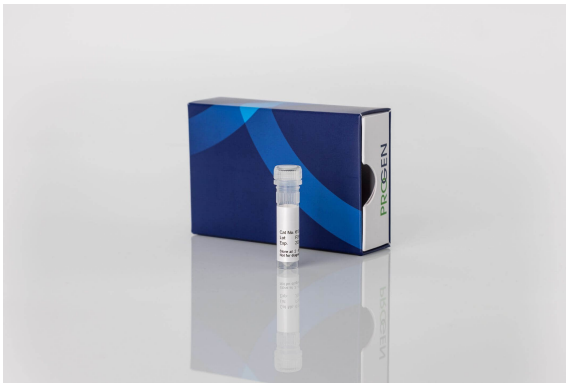
Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	Ready-to-use
Immunohistochemistry (IHC) - paraffin	Ready-to-use (microwave treatment recommended)
Western Blot (WB)	Assay dependent

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
Mazzella, L. et al. Extended-depth of field random illumination microscopy, EDF-RIM, provides super-resolved projective imaging. Light Sci Appl 13, 285 (2024).	mouse	ICC-IF
PÅ™echovÅ™i, M., et al., Plectin-mediated cytoskeletal crosstalk controls cell tension and cohesion in epithelial sheets., J Cell Biol 221, (2022).		
Mavroidis, M. et al. Desmin is essential for the structure and function of the sinoatrial node: implications for increased arrhythmogenesis. Am J Physiol Heart Circ Physiol 319, H557â€”H570 (2020).	mouse	WB
KrausovÅ™i, A., et al., Plectin Ensures Intestinal Epithelial Integrity and Protects Colon Against Colitis, bioRxiv, (2020).		
Kitayama, M., et al., A Novel Nectin-mediated Cell Adhesion Apparatus That Is Implicated in Prolactin Receptor Signaling for Mammary Gland Development., J Biol Chem 291, 5817-5831, (2016).	mouse	IF

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