Product datasheet

anti-Desmoplakin 1/2 mouse monoclonal, DP1&2-2.15; DP1-2.17; DP1-2.20, supernatant

Short overview

Cat. No.	65146
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	DP1&2-2.15; DP1-2.17; DP1-2.20
Immunogen	Bovine desmoplakins 1&2
Formulation	Contains 0.09% sodium azide
UniprotID	A0A3Q1MR22 (Bovine),E1BWI0 (Chicken),A0A5F4CNG7 (Dog, Canis familiaris),P15924 (Human),E9Q557 (Mouse),Q8VBY1 (Rat)
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	IHC, WB
Reactivity	Bovine, Chicken, Dog, Human, Mouse, Pig, Rat

Applications

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

Background

The antibody cocktail shows distinct punctate membrane staining of different epithelia and the aerea composite of the myocard. Tumors specifically detected: primary and metastatic cancer; meningioma.

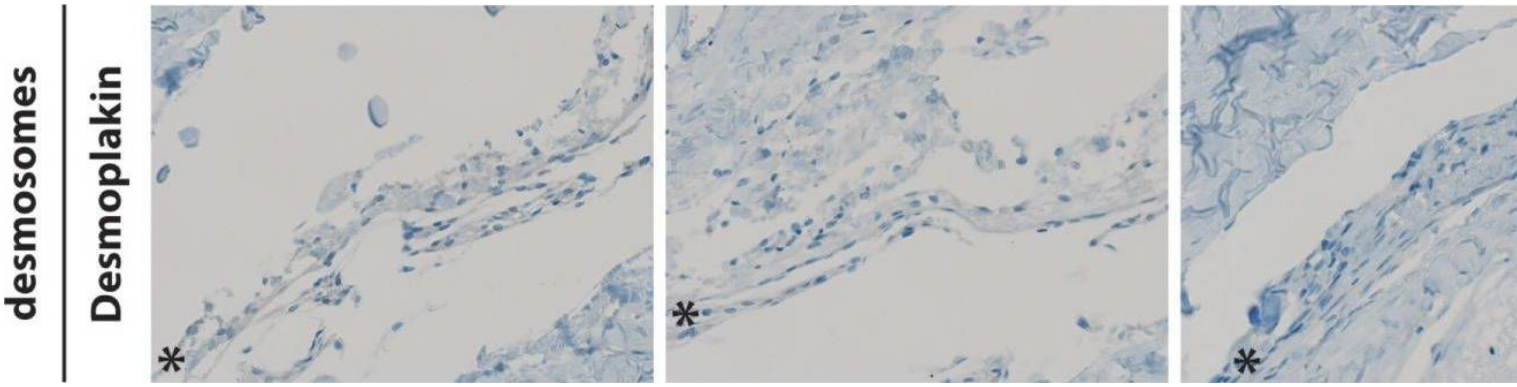
Polypeptides reacting: Desmoplakins 1 and 2 (Mr 250,000 and 215,000).

Tested cultured cell lines: several human carcinoma cell lines: A-431, BMGE, MDCK.

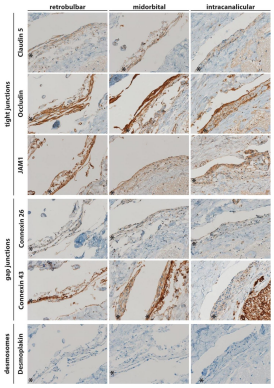
Product images



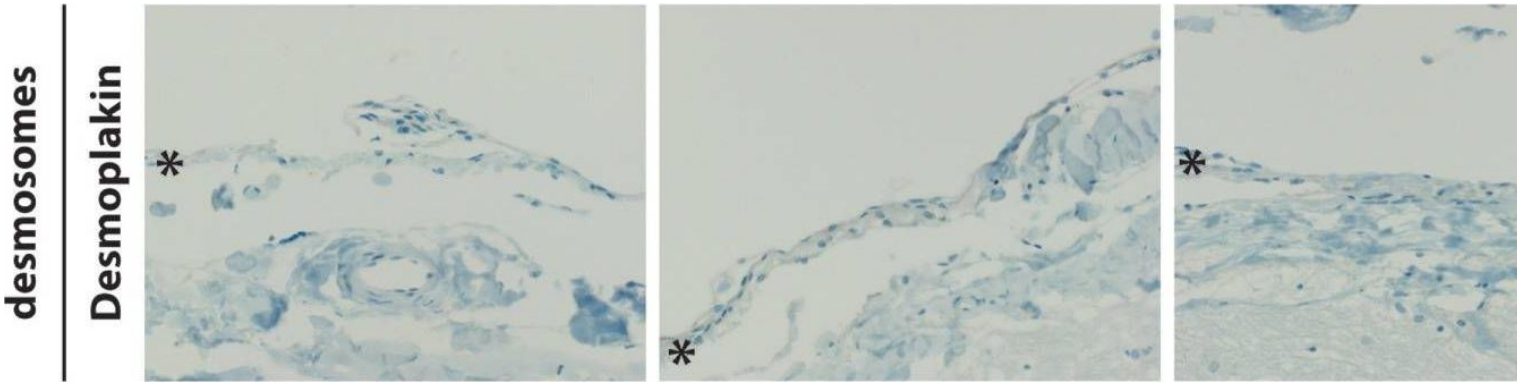
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Zeleny, T. N. C., Kohler, C., et al. Cell-Cell Interaction Proteins (Gap Junctions, Tight Junctions, and Desmosomes) and Water Transporter Aquaporin 4 in Meningothelial Cells of the Human Optic Nerve. Front Neurol. 2017-07-15. Species/Reactant: Homo sapiens (Human)Applications: ImmunohistochemistryImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



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References

Publication	Species	Application
Erman, A. et al. How Cancer Cells Invade Bladder Epithelium and Form Tumors: The Mouse Bladder Tumor Model as a Model of Tumor Recurrence in Patients. Int. J. Mol. Sci. 22, 6328 (2021).	mouse	IHC-IF
Atsugi, T. et al. Holocrine Secretion Occurs outside the TightÂ Junction Barrier in Multicellular Glands: Lessons from Claudin-1-Deficient Mice. J.Invest.Dermatol. , (2019)	mouse	IHC-IF (frozen)
Domke, L and Franke, W. The cell-cell junctions of mammalian testes.., Cell Tissue Res, 375, 451-482, (2019)	pig	ICC-IF
Abreu-Velez, A. et al. Involvement of the Areae Compositae of the Heart in Endemic Pemphigus Foliaceus. Dermatol.Pract.Concept. 9, 181-186 (2019)	human	IHC-IF (frozen)
Neutzner, A. et al. A perfusion bioreactor-based 3D model of the subarachnoid space based on a meningeal tissue construct. Fluids.Barriers.CNS. 16, 17 (2019)	human	IHC (paraffin)