

Product datasheet

anti-Desmoglein 1 mouse monoclonal, Dsg1-P23, supernatant concentrate

Short overview

Cat. No.	652110
Quantity	500 µl

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Dsg1-P23
Immunogen	Recombinant human polypeptide Desmoglein 1 (extra-cellular part EII, EIII and EIV)
Formulation	Contains 0.09% sodium azide
UniprotID	Q02413 (Human)
Synonym	Desmoglein-1, Cadherin family member 4, Desmosomal glycoprotein 1, DG1, DGI, Pemphigus foliaceus antigen, DSG1, CDHF4
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant concentrate
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	Human

Applications

Immunohistochemistry (IHC) - frozen	1:1,000 (treatment with 0.05-0.02% Triton X-100 is recommended, see Schäfer, S. et al. 1996 for protocol)
Immunohistochemistry (IHC) - paraffin	1:1,000 (preincubation with 0.001% trypsin, addition of 2% milk powder to the incubation media, and microwave treatment is recommended)
Western Blot (WB)	Assay dependent

Background

In immunoblots of cytoskeletal preparations from human skin the antibody reacts specifically with a 160 kDa polypeptide typical for Desmoglein 1. In immunolocalization studies the mab shows typical staining of suprabasal layers of the epidermis and special regions of fetal and anagen hair follicles. The staining pattern observed corresponds to those obtained with pemphigus foliaceus patient sera. Cross-reaction with Desmogleins 2 and 3 was not detected.

Product images



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References

Publication	Species	Application
Vakkilainen, S. et al. Novel DSP Spectrin 6 Region Variant Causes Neonatal Erythroderma, Failure to Thrive, Severe Herpes Simplex Infections and Brain Lesions. Acta.Derm.Venereol. , (2019)	human	IHC (paraffin)
Duchatelet, S. et al. Mutations in PERP Cause Dominant and Recessive Keratoderma. J.Invest.Dermatol. 139, 380-390 (2019)	human	IHC-IF (paraffin)
Domke, L and Franke, W. The cell-cell junctions of mammalian testes... Cell Tissue Res, 375, 451-482, (2019)	pig	ICC-IF