

Product datasheet

anti-Desmoglein 1 mouse monoclonal, Dsg1-P124, supernatant

Short overview

Cat. No.	651111
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a
Clone	Dsg1-P124
Immunogen	Recombinant human Desmoglein 1 (extracellular 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
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

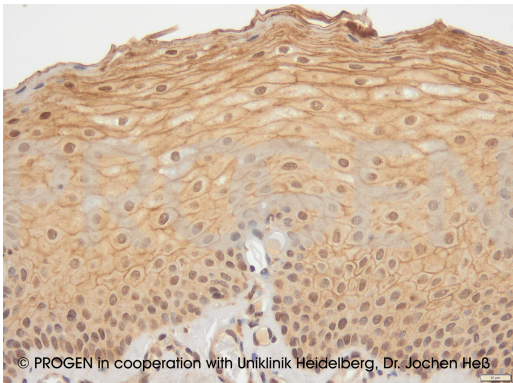
Applications

Immunohistochemistry (IHC) - frozen	Undiluted-1:50 (preincubation (directly after fixation) with 0.05-0.2% Triton X-100 for 5-10 min, depending on tissue type, recommended)
Immunohistochemistry (IHC) - paraffin	Undiluted-1:50 (preincubation with 0.001% trypsin and addition of 2% milk powder to the incubation media and microwave treatment recommended)
Western Blot (WB)	Assay dependent

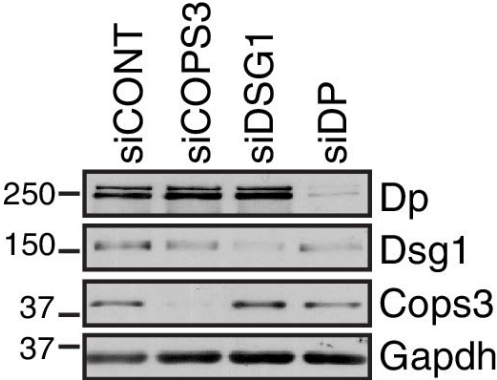
Background

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 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.

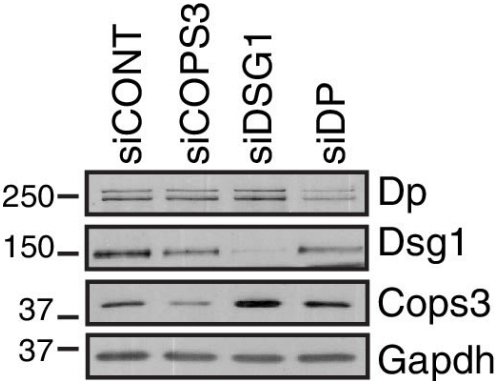
Product images



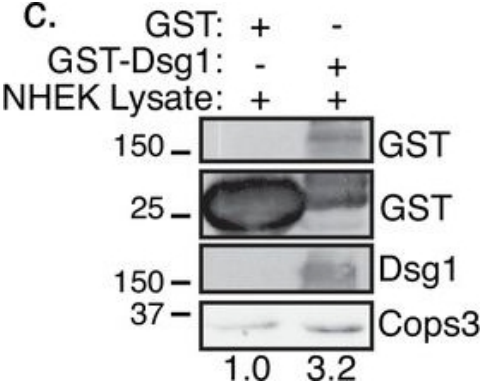
IHC of human oral mucosa (courtesy of J.Heß, University Hospital Heidelberg)



[Najor, N. A., Fitz, G. N., et al. Epidermal Growth Factor Receptor neddylation is regulated by a desmosomal-COP9 \(Constitutive Photomorphogenesis 9\) signalosome complex. Elife. 2017-09-11.](#) Species/Reactant: Homo sapiens (Human)Applications: Western BlottingImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



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References

Publication	Species	Application
Pappalardo A. et al. Engineering edgeless human skin with enhanced biomechanical properties., Sci Adv, 9, eade2514, (2023).	Human	IHC-IF