Product datasheet

anti-Desmoglein 3 mouse monoclonal, Dsg-G194, supernatant

Short overview

Cat. No.	651112
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Dsg-G194
Immunogen	Recombinant human polypeptide Desmoglein 3 (C-terminal aa 920-940 VSIPDPLQHGNYLVTETYSAS)
Formulation	Contains 0.09% sodium azide
UniprotID	P32926 (Human)
Synomym	Desmoglein-3, 130 kDa pemphigus vulgaris antigen, PVA, Cadherin family member 6, DSG3, CDHF6
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

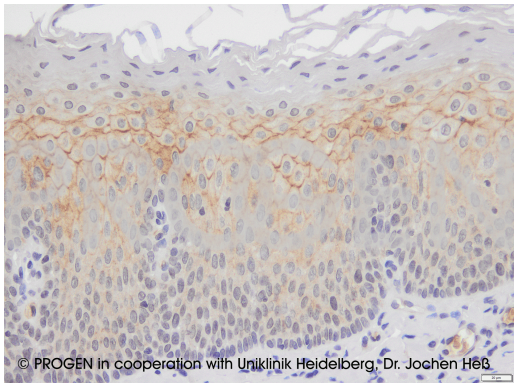
Applications

Immunohistochemistry (IHC) - frozen	Undiluted-1:50 (for better resolution preincubation (directly after fixation) with 0.05-0.2% Triton X-100 for 5-10 min, depending on tissue type, is recommended)
Immunohistochemistry (IHC) - paraffin	Undiluted-1:50 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

In immunoblots of cytoskeletal preparations from human epidermis the antibody reacts specifically with a 140 kDa polypeptide typical for Desmoglein 3. In immunolocalization studies the mab shows typical staining of basal and lower suprabasal layers of the epidermis and special regions of fetal and anagen hair follicles. The staining pattern observed corresponds to those obtained with pemphigus vulgaris patient sera. Cross-reaction with Desmogleins 1 and 2 was not detected.

Product images



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

References

Publication	Species	Application
Moll, I., Houdek, P., SchÃ¤fer, S., Nuber, U. & Moll, R. Diversity of desmosomal proteins in regenerating epidermis: immunohistochemical study using a human skin organ culture model. Arch. Dermatol. Res. 291, 437â€“46 (1999).	human	