

Product datasheet

anti-Desmocollin 1 mouse monoclonal, Dsc1-U100, liquid, purified

Short overview

Cat. No.	690092
Quantity	1 ml
Concentration	50 µg/ml (50 µg)

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Dsc1-U100
Immunogen	Synthetic peptide corresponding to sequence present within the intracellular part of human desmocollin 1 (HQTLESVKGVGQGD TGRYATDWQC)
Formulation	PBS pH 7.4 with 0.09% sodium azide and 0.5% BSA
UniprotID	Q08554 (Human)
Synonym	Desmocollin-1, DSC1, Cadherin family member 1, Desmosomal glycoprotein 2/3, DG2/DG3, CDHF1
Conjugate	Unconjugated
Purification	Affinity chromatography
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, Mouse, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:50-1:100 (0.5-1 µg/ml, preincubation (directly after fixation) with 0.05-0.2% Triton X-100, for 5-10 min, depending on tissue type, is recommended; without detergent pretreatment a cytoplasmic component might cross-react)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (0.5-1 µg/ml, microwave treatment recommended; a slight crossreactivity with a lymphocyte subpopulation is abolished by mild trypsinization after the microwave step)
Western Blot (WB)	Assay dependent

Background

Mouse monoclonal antibody localizes Dsc1 present in

- Suprabasal layers of interfollicular epidermis

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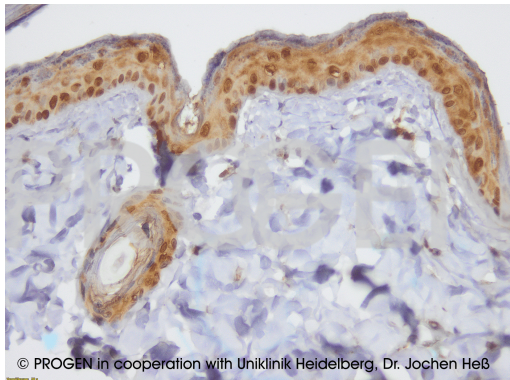
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- Specific cell layers (e.g. in hair follicle root sheath)
- Hassall bodies (spheroidal formations of densely packed reticulum-derived cells in the thymus).

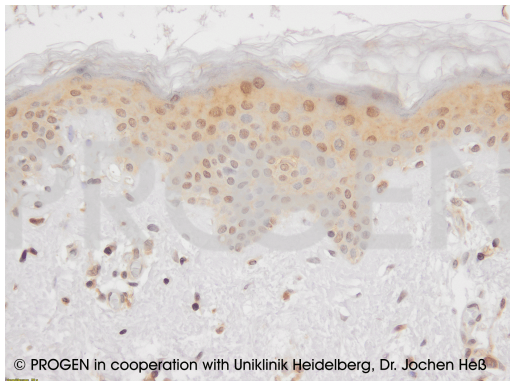
Reacts with 111 kDa (form "a") and 103 kDa (form "b") polypeptides (desmocollin 1 splice forms, both at pI 5.2) from human epidermal desmosomes.

Reactivity on cultured cell lines: positive on primary keratinocytes, however, restricted to local piles of differentiated cells. All simple epithelia are negative.

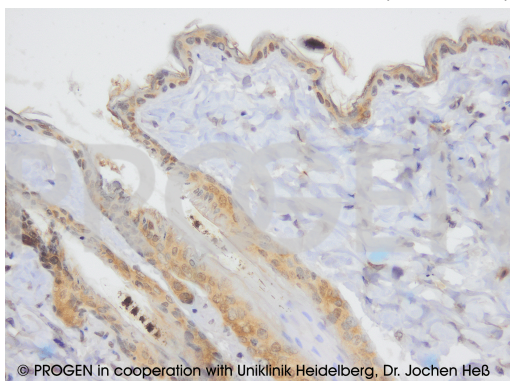
Product images



IHC of rat skin with anti-desmocollin 1 (1:50, courtesy of J.Heß, University Hospital Heidelberg)



anti-Desmocollin 1 mouse monoclonal, Dsc1-U100, liquid, purified



IHC of mouse skin with anti-desmocollin 1 (1:50, courtesy of J.Heß, University Hospital Heidelberg)

References

Publication	Species	Application
Akat, K. et al. Molecular characterization of desmosomes in meningiomas and arachnoidal tissue. Acta Neuropathol. 106, 337â€“347 (2003).	human	IHC (frozen)
Kurzen, H. et al. Compositionally different desmosomes in the various compartments of the human hair follicle. Differentiation 63, 295â€“304 (1998).	human	IHC (paraffin)