

Product datasheet

anti-Desmoglein 2 mouse monoclonal, G129, supernatant

Short overview

Cat. No.	651119
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	G129
Immunogen	Recombinant peptide (220aa of 2nd and 3rd extracellular repeat domain)
Formulation	Contains 0.09% sodium azide
UniprotID	Q14126 (Human)
Synonym	Desmoglein-2, Cadherin family member 5, HDGC, DSG2, CDHF5
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	ELISA, IHC, WB
Reactivity	Human, Rat

Applications

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

Background

Antibody recognizes desmoglein 2 present in all epithelia and in tumors derived therefrom as well as in heart muscle and dendritic reticulum cells of lymphatic follicles. In basal epithelial cells desmoglein 2 expression is generally very low.

Polypeptide reacting: Desmoglein 2 (1069aa; calculated mol. wt. 116,760).

Recommended as positive control: CaCo-2, HaCaT.

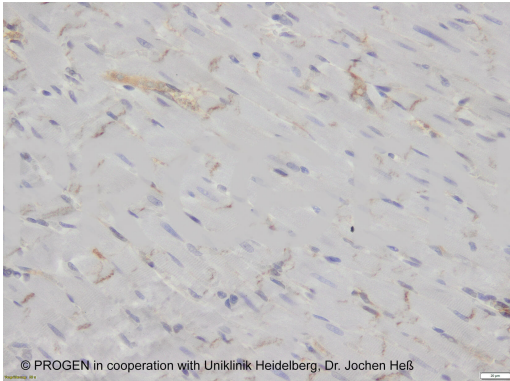
Reactivity on cultured cell lines: many, including CaCo-2, HaCaT, MCF-7.

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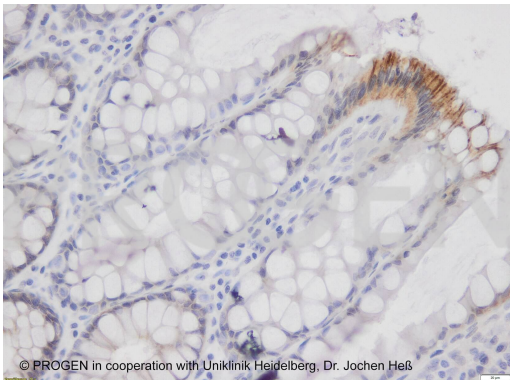
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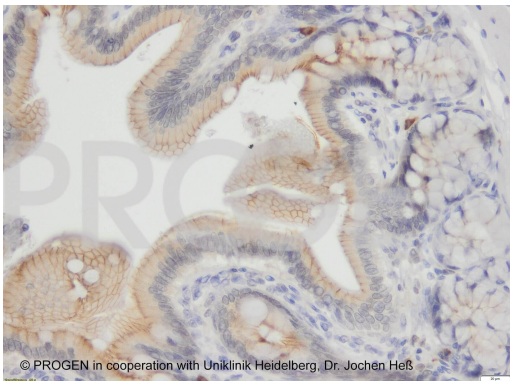
Product images



IHC of rat heart (© PROGEN in cooperation with Uniklinik Heidelberg, Dr. Jochen Heß)



IHC of human colon (© PROGEN in cooperation with Uniklinik Heidelberg, Dr. Jochen Heß)



IHC of rat colon (© PROGEN in cooperation with Uniklinik Heidelberg, Dr. Jochen Heß)

References

Publication	Species	Application
Schäfer, S., Stumpp, S. & Franke, W. W. Immunological identification and characterization of the desmosomal cadherin Dsg2 in coupled and uncoupled epithelial cells and in human tissues. Differentiation 60, 99–108 (1996).	human	WB
Moll, I., Houdek, P., Schäfer, 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, 437–46 (1999).	human	IHC (frozen)