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)
Synomym	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 (directliy 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

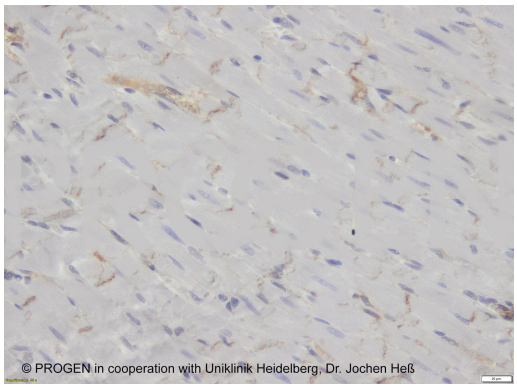
Antibody recognizes desmoglein 2 present in all epithelia and in tumors derived therefrom as well as in heart muscle and dendritic reticulum cells of lymphatic follicles. In basal epithelial cells desmoglein 2 expression is generally very low.

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

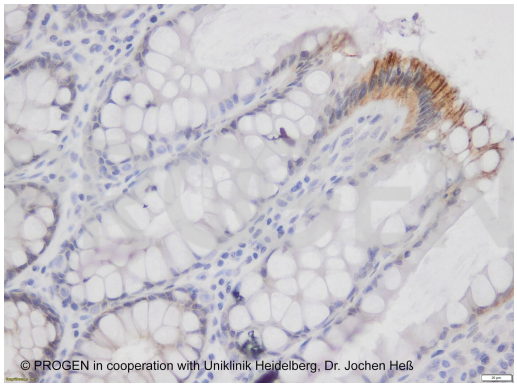
Recommended as positive control: CaCo-2, HaCaT.

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

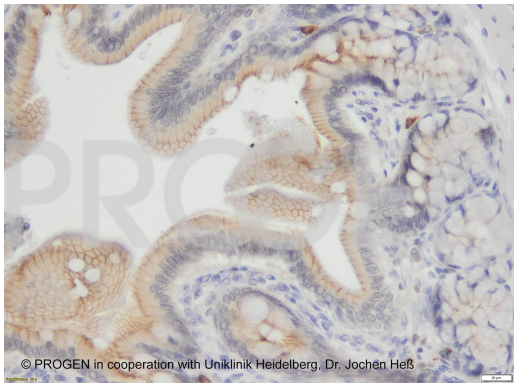
Product images



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
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	IHC (frozen)
SchÃ¤fer, 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, 99â€“108 (1996).	human	WB