Product datasheet

anti-Desmoglein 2 mouse monoclonal, 10G11, lyophilized, purified

Short overview

Cat. No.	61059
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	10G11
Immunogen	Recombinant peptide (220aa of 2nd and 3rd extracellular repeat domain)
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
UniprotID	Q14126 (Human)
Synomym	Desmoglein-2, Cadherin family member 5, HDGC, DSG2, CDHF5
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months 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
No reactivity	Mouse, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:10 (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 (Schäfer S. et al., 1996))
Western Blot (WB)	Assay dependent

Background

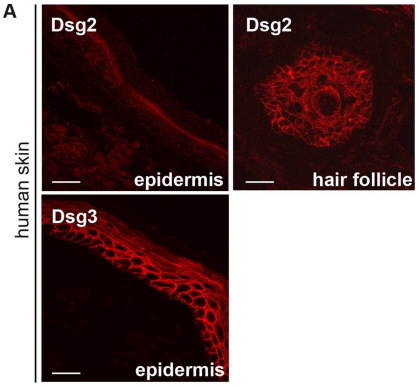
Antibody recognizes desmoglein 2 present in low concentrations in all epithelia and in tumors derived therefrom as well as in heart muscle and dendritic reticulum cells of lymphatic follicles. In basal epithelial cells desmoglein 2 expression is generally very low. Polypeptide reacting: desmoglein 2 (1069aa; calculated mol. wt. 116,760)Reactivity on cultured cell lines: Many, including CaCo-2, HaCaT, MCF-7

Product images



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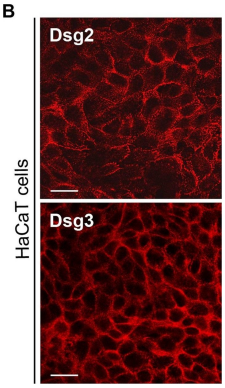
A



Hartlieb, E., Kempf, B., et al. Desmoglein 2 is less important than desmoglein 3 for keratinocyte cohesion. PLoS One. 2013-01-18.

Species/Reactant: Homo sapiens (Human)Applications: Immunocytochemistry-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

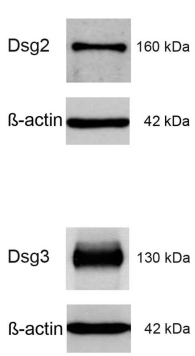
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Hartlieb, E., Kempf, B., et al. Desmoglein 2 is less important than desmoglein 3 for keratinocyte cohesion. PLoS One. 2013-01-18.

Species/Reactant: Homo sapiens (Human)Applications: Immunocytochemistry-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

C



Hartlieb, E., Kempf, B., et al. Desmoglein 2 is less important than desmoglein 3 for keratinocyte cohesion. PLoS One. 2013-01-18.

Species/Reactant: Homo sapiens (Human)Applications: Western BlottingImage collected and cropped by CiteAb from the following publication,

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References

Publication	Species	Application
Biedermann, K. et al. Desmoglein 2 is expressed abnormally rather than mutated in familial and sporadic gastric cancer. J. Pathol. 207, 199â€“206 (2005).	human	IHC (paraffin)
Schinner, C. et al. Stabilization of desmoglein-2 binding rescues arrhythmia in arrhythmogenic cardiomyopathy. JCI.Insight. 5, (2020)	mouse	AFM