

Product datasheet

anti-Desmoglein 2 rabbit polyclonal, serum

Short overview

Cat. No.	610121
Quantity	100 µl

Product description

Host	Rabbit
Antibody Type	Polyclonal
Immunogen	Recombinant peptide (extracellular repeat domain E2 of human Desmoglein 2)
Formulation	Contains 0.09% sodium azide
UniprotID	Q14126 (Human), O55111 (Mouse)
Synonym	Desmoglein-2, Cadherin family member 5, HDGC, DSG2, CDHF5
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
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, Mouse

Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - frozen	1:100 (preincubation (directly after fixation with -20°C methanol) with 0.05-0.5% Triton X-100, for 5-10 min, depending on tissue type, recommended)
Western Blot (WB)	1:3,000

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.

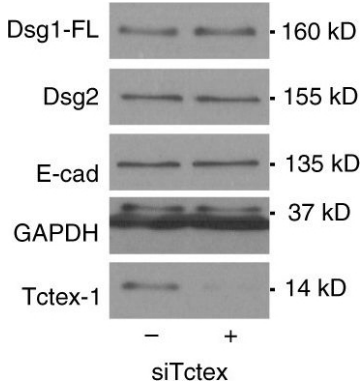
Polypeptide reacting: Desmoglein 2 (1069aa; calculated mol. wt. 116,760)

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

Product images

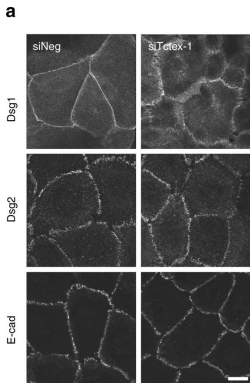


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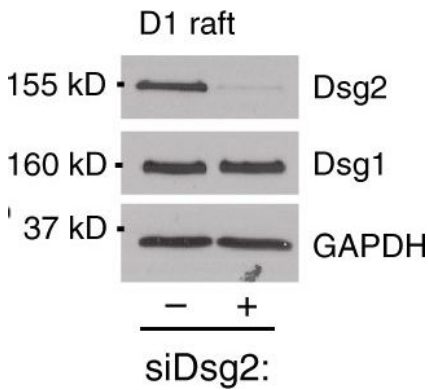
[Nekrasova, O., Harmon, R. M., et al. Desmosomal cadherin association with Tctex-1 and cortactin-Arp2/3 drives perijunctional actin polymerization to promote keratinocyte delamination. Nat Commun. 2018-03-13.](#) Species/Reactant: Homo sapiens (Human) Applications:

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[Nekrasova, O., Harmon, R. M., et al. Desmosomal cadherin association with Tctex-1 and cortactin-Arp2/3 drives perijunctional actin polymerization to promote keratinocyte delamination. Nat Commun. 2018-03-13.](#) Species/Reactant: Homo sapiens (Human) Applications:

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[Nekrasova, O., Harmon, R. M., et al. Desmosomal cadherin association with Tctex-1 and cortactin-Arp2/3 drives perijunctional actin polymerization to promote keratinocyte delamination. Nat Commun. 2018-03-13.](#) Species/Reactant: Homo sapiens (Human) Applications:

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References

Publication	Species	Application
Wanuske, M. T. et al. Clustering of desmosomal cadherins by desmoplakin is essential for cell-cell adhesion., Acta Physiol (Oxf) 231, e13609, (2021).	human	ICC-IF
Schinner, C. et al. Stabilization of desmoglein-2 binding rescues arrhythmia in arrhythmogenic cardiomyopathy. JCI.Insight. 5, (2020)	mouse	WB
Domke, L and Franke, W. The cell-cell junctions of mammalian testes..., Cell Tissue Res, 375, 451-482, (2019)	pig	ICC-IF
Nekrasova, O. et al. Desmosomal cadherin association with Tctex-1 and cortactin-Arp2/3 drives perijunctional actin polymerization to promote keratinocyte delamination. Nat.Comm. 9, 1053 (2018).	human	WB,ICC-IF
Pieperhoff, S. & Franke, W. W. The area composita of adhering junctions connecting heart muscle cells of vertebrates - IV: coalescence and amalgamation of desmosomal and adhaerens junction components - late processes in mammalian heart development. Eur.	mouse	IHC (frozen)