

Rabbit anti-Human Desmoglein 2/DSG2 Polyclonal Antibody | anti-DSG2 antibody

Anti-Desmoglein 2/DSG2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19196	Rabbit	Human	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

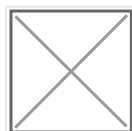
PRODUCT SYNONYMS

Desmoglein 2/DSG2; Polyclonal Antibody; Anti-Desmoglein 2/DSG2 Antibody; Desmoglein-2; Cadherin family member 5; HDGC; DSG2; CDHF5; anti-DSG2 antibody

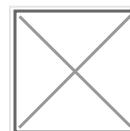
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Sequence Length	1118
Applicable Applications for anti-DSG2 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA (Direct ELISA)
Application Notes	WB: 0.25-0.5ug/ml (Human) IHC-P (Embedded Section): 0.5-1ug/ml (Human) FC/FACS: 1-3ug/1x10 ⁶ cells (Human) Direct ELISA: 0.1-0.5ug/ml (Human) Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections.
Immunogen	E Coli-derived human Desmoglein 2/DSG2 recombinant protein (Position: L24-E1020).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



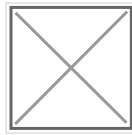
WB (Western Blot)



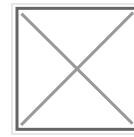
IHC (Immunohistochemistry)



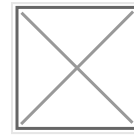
IHC (Immunohistochemistry)



FCM (Flow Cytometry)



IHC (Immunohistochemistry)



FCM (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-DSG2 antibody	Description: Rabbit IgG polyclonal antibody for Desmoglein 2/DSG2 detection. Tested with WB, IHC-P, FCM, Direct ELISA in Human. Background: Desmoglein-2 is a protein that in humans is encoded by the DSG2 gene. These desmoglein gene family members are located in a cluster on chromosome 18. This second family member is expressed in colon, colon carcinoma, and other simple and stratified epithelial-derived cell lines. Mutations in DSG2 display a high degree of penetrance. Disease expression was of variable severity with LV involvement a prominent feature. The low prevalence of classical ECG changes highlights the need to expand current identification criteria to take account of LV disease, childhood disease expression, and incomplete penetrance.
References	1. Arneemann J, Spurr NK, Magee AI, Buxton RS (Jul 1992). "The human gene (DSG2) coding for HDGC, a second member of the desmoglein subfamily of the desmosomal cadherins, is, like DSG1 coding for desmoglein DGI, assigned to chromosome 18". Genomics 13 (2): 484-6. 2. "Entrez Gene: DSG2 desmoglein 2". mutations in DSG2 contribute to the development of ARVD/C. 3. Syrris, P., Ward, D., Asimaki, A., Evans, A., Sen-Chowdhry, S., Hughes, S. E., McKenna, W. J. Desmoglein-2 mutations in arrhythmogenic right ventricular cardiomyopathy: a genotype-phenotype characterization of familial disease. Europ. Heart J. 28: 581-588, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116534898
NCBI GeneID	1829
NCBI Accession #	NP_001934.2
NCBI GenBank Nucleotide #	NP_001934.2
UniProt Accession #	Q14126
NCBI Official Full Name	desmoglein-2 preproprotein
NCBI Official Synonym Full Names	desmoglein 2
NCBI Official Symbol	DSG2
NCBI Official Synonym Symbols	HDGC; CDHF5
NCBI Protein Information	desmoglein-2
UniProt Protein Name	Desmoglein-2
UniProt Gene Name	DSG2
UniProt Synonym Gene Names	CDHF5
UniProt Entry Name	DSG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

