

Product Name: KD-Validated Desmoglein 2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01109

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 122.3kDa

Antigen Information

Gene Name	DSG2
Alternative Names	DSG2; Desmoglein 2; CDHF5; Cadherin Family Member 5; Desmoglein-2; HDGC
Gene ID	1829.0
SwissProt ID	Q14126
Immunogen	A synthesized peptide derived from human Desmoglein 2

Background

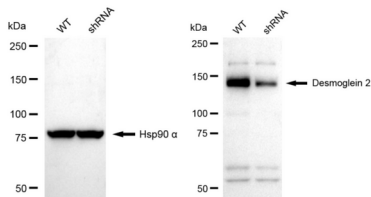
This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule superfamily of proteins. Desmogleins are calcium-binding transmembrane glycoprotein components of desmosomes, cell-cell junctions between epithelial, myocardial, and other cell types. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This gene is present in a gene cluster with other desmoglein gene family members on chromosome 18. Mutations

in this gene have been associated with arrhythmogenic right ventricular dysplasia, familial, 10. [provided by RefSeq, Jan 2016]

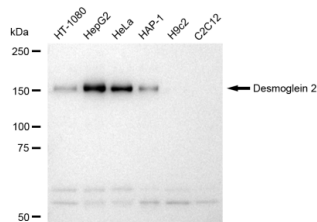
Research Area

Signal Transduction,Cancer,Cardiovascular

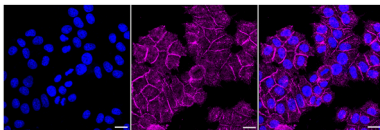
Image Data



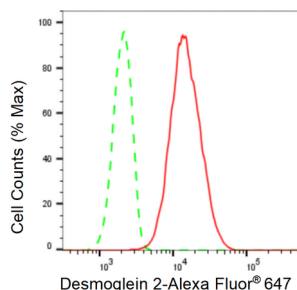
Western blotting analysis using desmoglein 2 antibody (KVA01109). Desmoglein 2 expression in wild type (WT) and desmoglein 2 (DSG2) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with desmoglein 2 antibody (KVA01109, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Desmoglein 2 antibody (KVA01109). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Desmoglein 2 antibody (KVA01109, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Desmoglein 2 antibody (KVA01109, 1:1,000). Nuclei were stained blue with DAPI; Desmoglein 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Desmoglein 2 expression in HepG2 cells using Desmoglein 2 antibody (KVA01109, 1:2,000). Green, isotype control; red, Desmoglein 2.