Product Name: Dsg2 Rabbit Polyclonal Antibody
Catalog #: APRab10181
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight	140kDa

Antigen Information

Gene Name	DSG2
Alternative Names	DSG2; CDHF5; Desmoglein-2; Cadherin family member 5; HDGC
Gene ID	1829.0
SwissProt ID	Q14126
Immunogen	The antiserum was produced against synthesized peptide derived from human DSG2. AA range:401-450

Background

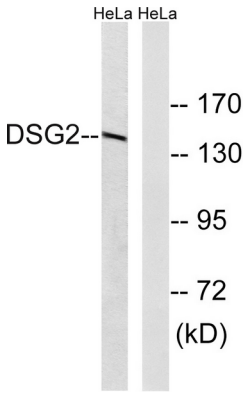
This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule superfamily of proteins.

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],disease:Defects in DSG2 are the cause of familial arrhythmogenic right ventricular dysplasia 10 (ARVD10) [MIM:610193]; also known as arrhythmogenic right ventricular cardiomyopathy 10 (ARVC10). ARVD is an autosomal dominant disease characterized by partial degeneration of the myocardium of the right ventricle, electrical instability, and sudden death. It is clinically defined by electrocardiographic and angiographic criteria; pathologic findings, replacement of ventricular myocardium with fatty and fibrous elements, preferentially involve the right ventricular free wall.,domain:Calcium may be bound by the cadherin-like repeats .,function:Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.,similarity:Contains 4 cadherin domains.,tissue specificity:All of the tissues tested and carcinomas.,

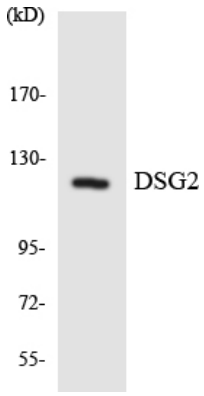
Research Area

Arrhythmogenic right ventricular cardiomyopathy (ARVC);

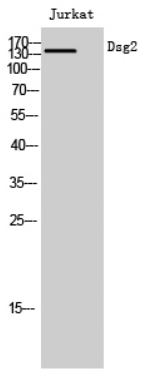
Image Data



Western blot analysis of lysates from HeLa cells, using DSG2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using DSG2 antibody.



Western Blot analysis of Jurkat cells using Dsg2 Polyclonal Antibody