

## Dsg2 Polyclonal Antibody

<b>Catalog No :</b>	YT1418
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Dsg2
<b>Fields :</b>	>>Arrhythmogenic right ventricular cardiomyopathy
<b>Gene Name :</b>	DSG2
<b>Protein Name :</b>	Desmoglein-2
<b>Human Gene Id :</b>	1829
<b>Human Swiss Prot No :</b>	Q14126
<b>Mouse Swiss Prot No :</b>	O55111
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human DSG2. AA range:401-450
<b>Specificity :</b>	Dsg2 Polyclonal Antibody detects endogenous levels of Dsg2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 140kD

**Cell Pathway :** Arrhythmogenic right ventricular cardiomyopathy (ARVC);

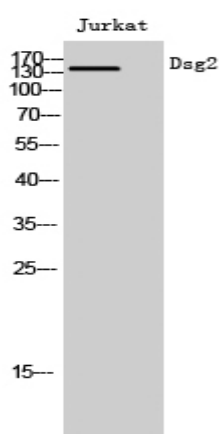
**Background :** This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule superfamily of proteins. Desmogleins are calcium-binding transmembrane glycoprotein components of desmosomes, cell-cell junctions between epithelial, myocardial, and other cell types. The encoded 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],

**Function :** 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.,

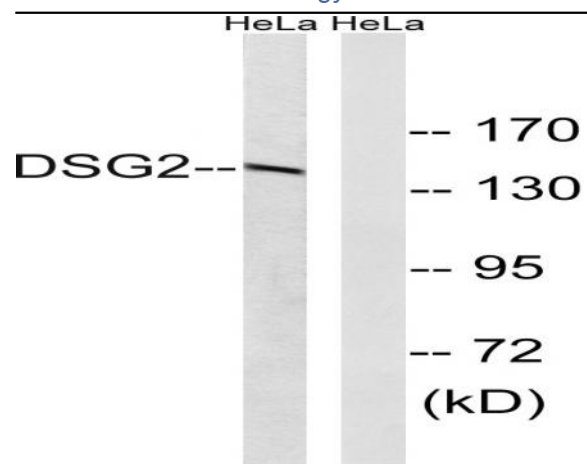
**Subcellular Location :** Cell membrane ; Single-pass type I membrane protein. Cell junction, desmosome.

**Expression :** All of the tissues tested and carcinomas.

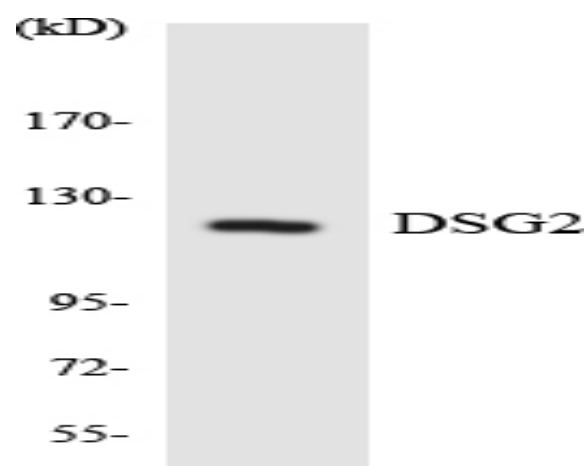
## Products Images



Western Blot analysis of Jurkat cells using Dsg2 Polyclonal Antibody



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 HUVEC cells using DSG2 antibody.