Product Name: Dsg1 Rabbit Polyclonal Antibody
Catalog #: APRab10180

Summary

Production Name	Dsg1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DSG1 CDHF4
Alternative Names	Desmoglein-1 (Cadherin family member 4;Desmosomal glycoprotein 1;DG1;DGI;Pemphigus foliaceus antigen)
Gene ID	1828.0
SwissProt ID	Q02413.Synthetic peptide from human protein at AA range: 30-90

Application

Dilution Ratio	WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000.
Molecular Weight	160kD

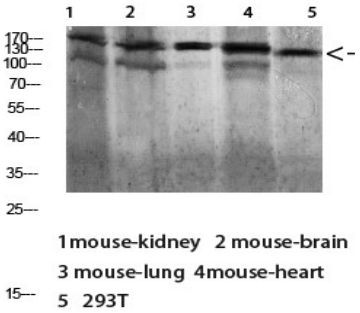
Background

Product Name: Dsg1 Rabbit Polyclonal Antibody
Catalog #: APRab10180

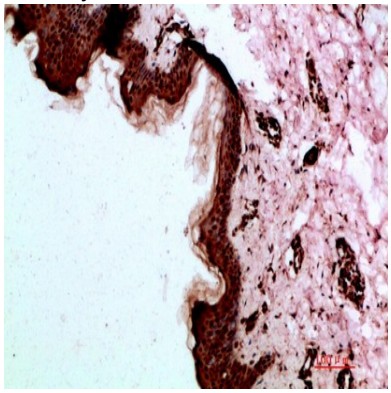
This gene encodes a member of the desmoglein protein subfamily. Desmogleins, along with desmocollins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. This gene is found in a cluster with other desmoglein family members on chromosome 18. The encoded protein has been identified as a target of auto-antibodies in the autoimmune skin blistering disease pemphigus foliaceus. Disruption of this gene has also been associated with the skin diseases palmoplantar keratoderma and erythroderma. [provided by RefSeq, Feb 2015],disease:Defects in DSG1 are the cause of palmoplantar keratoderma striate type 1 (SPPK1) [MIM:148700]; also known as keratosis palmoplantaris striata I. SPPK1 is a dermatoligical disorder characterized by thickening of the skin on the palms and soles, and longitudinal hyperkeratotic lesions on the palms, running the length of each finger.,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:Epidermis, tongue, tonsil and esophagus.,

Research Area

Image Data

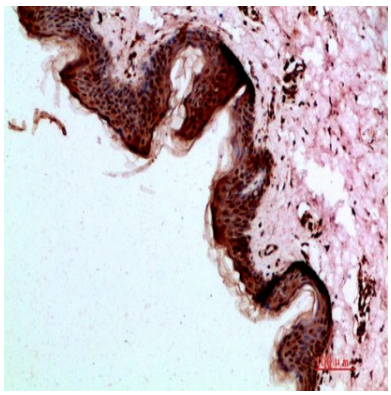


Western blot analysis of 293T lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:200

Product Name: Dsg1 Rabbit Polyclonal Antibody
Catalog #: APRab10180



Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:200

Note

For research use only.