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DSG1 Rabbit pAb

Catalog No.: A9812 **3 Publications**

Basic Information

Observed MW
150kDa

Calculated MW
114kDa

Category
Primary antibody

Applications
WB,IF-P,ELISA

Cross-Reactivity
Human, Rat

Background

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF-P	1:50 - 1:100
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1828

Swiss Prot
Q02413

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
DG1; DSG; CDHF4; EPKHE; PPKS1; SPPK1; EPKHIA; DSG1

Contact

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Product Information

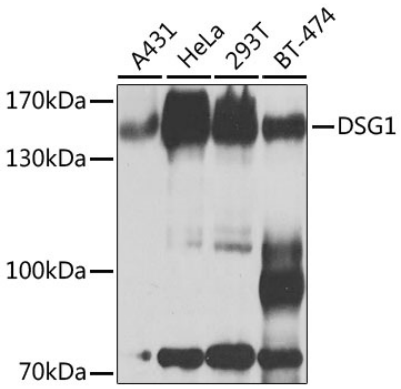
Source
Rabbit

Isotype
IgG

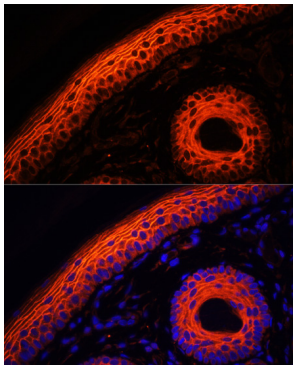
Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of various lysates using DSG1 Rabbit pAb (A9812) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunofluorescence analysis of paraffin-embedded rat skin using DSG1 Rabbit pAb (A9812) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.