

# 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

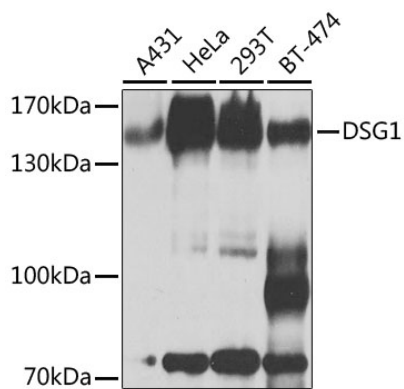
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

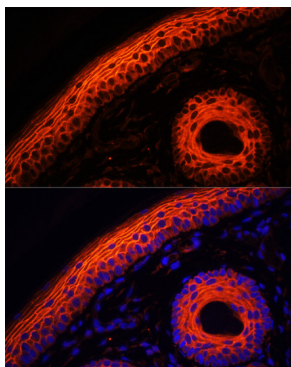
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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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.