A5007

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DSG1 Rabbit mAb

Catalog No.: A5007 Recombinant 2 Publications

Basic Information

Observed MW
150KDa

Calculated MW
114kDa

Category
Monoclonal Antibody

Applications
WB,IF/ICC

Cross-Reactivity
Human,Mouse

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/ICC	1:50 - 1:200

Immunogen Information

Gene ID
1828

Swiss Prot
Q02413

Immunogen
A synthesized peptide derived from human DSG1

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

Contact

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Product Information

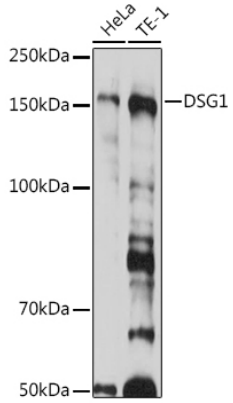
Source
Rabbit

Isotype
IgG

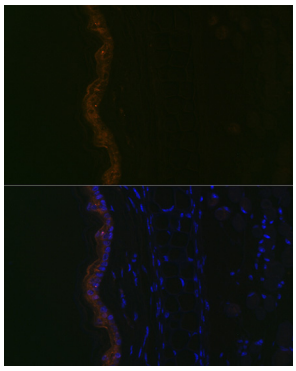
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using DSG1 antibody (A5007) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 180s.



Immunofluorescence analysis of mouse skin using DSG1 Rabbit mAb (A5007) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

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