

For Research Use Only

DSG3 Polyclonal antibody

Catalog Number: 29942-1-AP

1 Publications



Basic Information

Catalog Number:

29942-1-AP

Concentration:

800 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30880

GenBank Accession Number:

NM_001944

GeneID (NCBI):

1830

UNIPROT ID:

P32926

Full Name:

desmoglein 3 (pemphigus vulgaris antigen)

Calculated MW:

108 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, HaCaT cells

IHC : mouse tongue tissue, human lung squamous cell carcinoma tissue

IF/ICC : HaCaT cells,

Background Information

DSG3, Desmoglein-3, is the component of intercellular desmosome junctions. Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. DSG3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. It is involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. DSG3 is expressed in the basal lower layers of in the skin epidermis (PMID: 30528827). It acts as a prognostic marker of Esophageal Squamous cell carcinoma (PMID:24568510).

Notable Publications

Author	Pubmed ID	Journal	Application
Wen-Jian Liu	39841389	Discov Oncol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

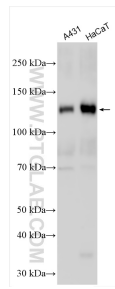
T: 4006900926

E: Proteintech-CN@ptglab.com

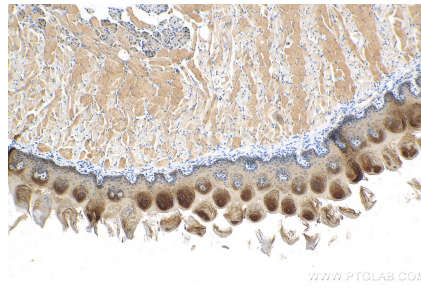
W: ptgcn.com

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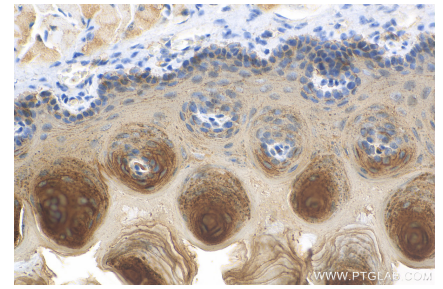
Selected Validation Data



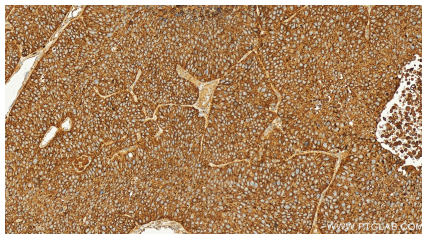
Various lysates were subjected to SDS PAGE followed by western blot with 29942-1-AP (DSG3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



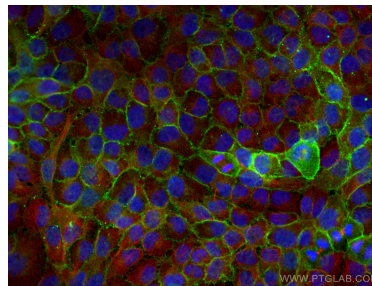
Immunohistochemical analysis of paraffin-embedded mouse tongue tissue slide using 29942-1-AP (DSG3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



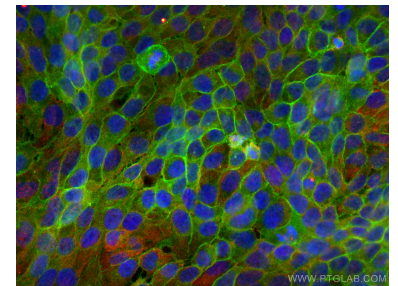
Immunohistochemical analysis of paraffin-embedded mouse tongue tissue slide using 29942-1-AP (DSG3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma tissue slide using 29942-1-AP (DSG3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HaCaT cells using DSG3 antibody (29942-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).



Immunofluorescent analysis of (-20°C Methanol) fixed HaCaT cells using DSG3 antibody (29942-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).