

For Research Use Only

DSG3 Polyclonal antibody, PBS Only

Catalog Number: 29942-1-PBS



Basic Information

Catalog Number:

29942-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

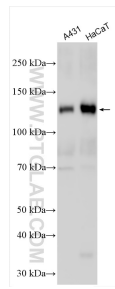
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

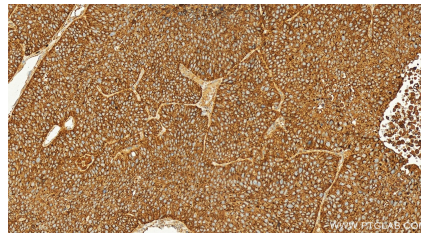
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

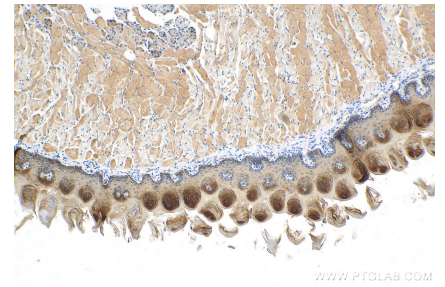
Selected Validation Data



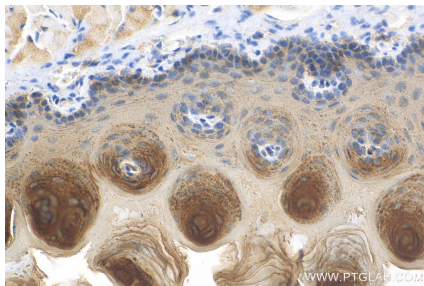
Various lysates were subjected to SDS PAGE followed by western blot with 29942-1-AP (DSG3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29942-1-PBS in a different storage buffer formulation.



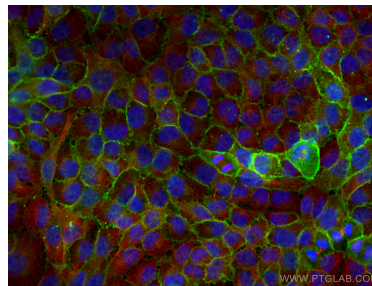
Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma tissue slide using 29942-1-AP (DSG3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29942-1-PBS in a different storage buffer formulation.



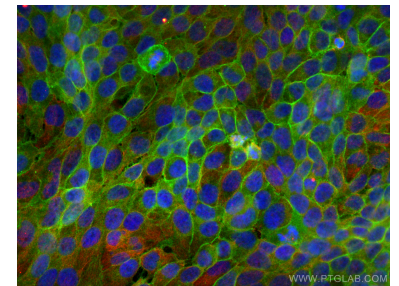
Immunohistochemical analysis of paraffin-embedded mouse tongue tissue slide using 29942-1-AP (DSG3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29942-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29942-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29942-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29942-1-PBS in a different storage buffer formulation.