

For Research Use Only

DSG3 Polyclonal antibody

Catalog Number: 29942-1-AP



Basic Information

Catalog Number: 29942-1-AP	GenBank Accession Number: NM_001944	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 1830	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: desmoglein 3 (pemphigus vulgaris antigen)	
Isotype: IgG	Calculated MW: 108 kDa	
Immunogen Catalog Number: AG30880	Observed MW: 130 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

Human, mouse

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,

IF : 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).

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

*** 20ul sizes contain 0.1% BSA

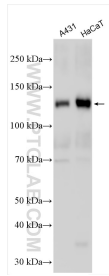
For technical support and original validation data for this product please contact:

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

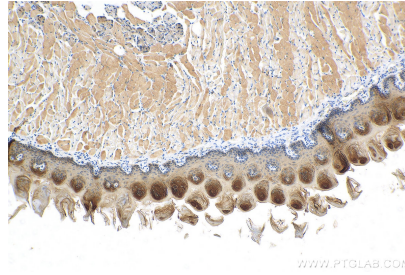
E: proteintech@ptglab.com
W: ptglab.com

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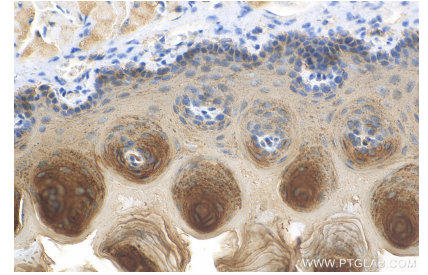
Selected Validation Data



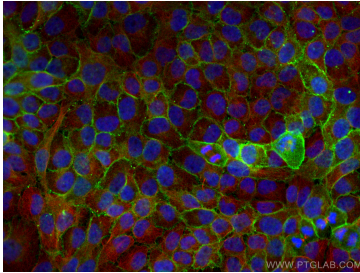
Various lysates were subjected to SDS PAGE followed by western blot with 29942-1-AP (DSG3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



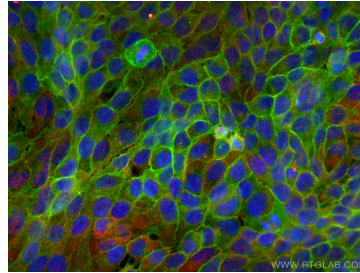
Immunohistochemical analysis of paraffin-embedded mouse tongue tissue slide using 29942-1-AP (DSG3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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