

For Research Use Only

DSG3 Polyclonal antibody

Catalog Number: 29942-1-AP

1 Publications



Basic Information

Catalog Number: 29942-1-AP	GenBank Accession Number: NM_001944	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 1830	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: P32926	IHC 1:50-1:500
Isotype: IgG	Full Name: desmoglein 3 (pemphigus vulgaris antigen)	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG30880	Calculated MW: 108 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : A431 cells, HaCaT cells
Cited Applications: WB	IHC : mouse tongue tissue, human lung squamous cell carcinoma tissue
Species Specificity: human, mouse	IF/ICC : HaCaT cells,
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	

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

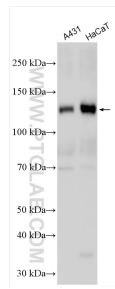
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

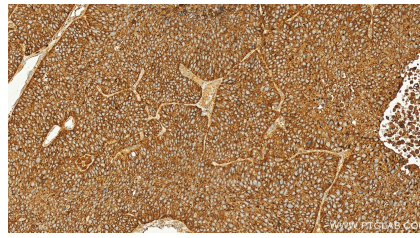
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

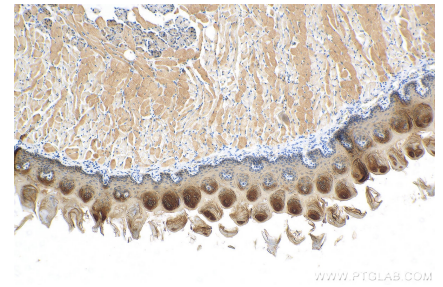
Selected Validation Data



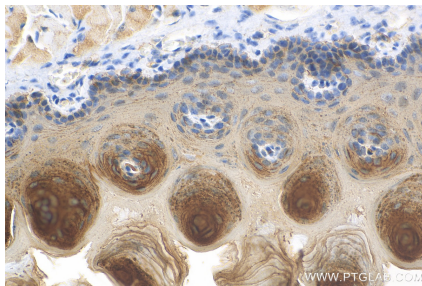
Various lysates were subjected to SDS PAGE followed by western blot with 29942-1-AP (DSG3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



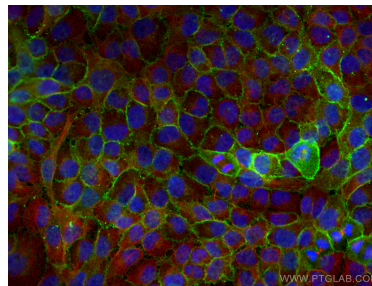
Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma tissue slide using 29942-1-AP (DSG3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



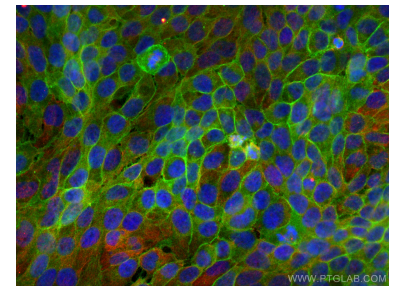
Immunohistochemical analysis of paraffin-embedded mouse tongue tissue slide using 29942-1-AP (DSG3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 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).