

For Research Use Only

# DSC3 Recombinant antibody

Catalog Number: 83386-5-RR



## Basic Information

<b>Catalog Number:</b> 83386-5-RR	<b>GenBank Accession Number:</b> NM_001941	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1825	<b>CloneNo.:</b> 240292B12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14574	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500 IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> desmocollin 3	
<b>Immunogen Catalog Number:</b> AG34648	<b>Calculated MW:</b> 100 kDa	
	<b>Observed MW:</b> 90-110 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> unboiled A431 cells, A431 cells, HaCaT cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse skin tissue,
	<b>IF/ICC :</b> A431 cells,

## Background Information

Desmocollin-3 (DSC3), also known as CDHF3 and DSC4, is a member of the cadherin superfamily of calcium-dependent cell adhesion molecules and a major component of desmosomes. It has 2 isoforms with molecular masses of 100 and 93 kDa. It is particularly expressed in the vagina, testis, skin, oral mucosa and esophagus. Its subcellular localization is at the cell membrane. Post-translational modifications, including glycosylation, have been described.

## Storage

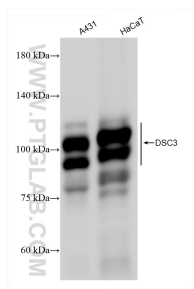
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

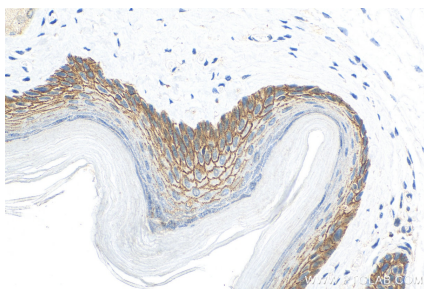
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

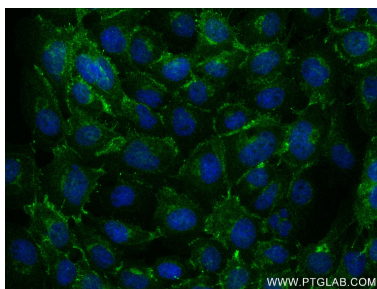
Selected Validation Data



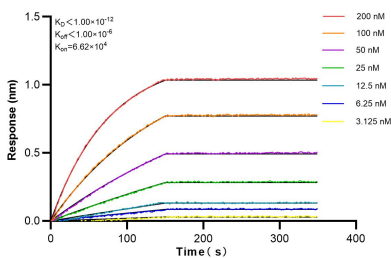
Various lysates were subjected to SDS PAGE followed by western blot with 83386-5-RR (DSC3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 83386-5-RR (DSC3 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 A431 cells using DSC3 antibody (83386-5-RR, Clone: 240292B12 ) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83386-5-RR against Human DSC3 were performed. The affinity constant is below 1 pM.