

For Research Use Only

# Desmocollin 2 Polyclonal antibody

Catalog Number: 13876-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 13876-1-AP	<b>GenBank Accession Number:</b> BC063291	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 650 µg/ml	<b>GeneID (NCBI):</b> 1824	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:500-1:2000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q02487	
<b>Isotype:</b> IgG	<b>Full Name:</b> desmocollin 2	
<b>Immunogen Catalog Number:</b> AG4956	<b>Calculated MW:</b> 100 kDa	
	<b>Observed MW:</b> 110-120 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, HeLa cells, HepG2 cells
<b>Cited Applications:</b> IF, IHC, WB	<b>IHC :</b> human oesophagus tissue, human skin cancer tissue, mouse heart tissue
<b>Species Specificity:</b> human, mouse	<b>IF :</b> mouse heart tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Desmocollin 2 (DSC2) is a member of the desmocollin subfamily of the cadherin superfamily. The desmocollins (DSC1-3), along with the desmogleins (DSG1-4), are found primarily in epithelia and cardiac muscle where they constitute the adhesive proteins of the intercellular desmosome junctions and are required for cell adhesion and desmosome formation. Mutations in DSC2 gene are associated with arrhythmogenic right ventricular dysplasia-11.

## Notable Publications

Author	Pubmed ID	Journal	Application
Troels Boldt Rømer	34526666	Br J Cancer	IF
Sally Dabelsteen	32710848	Dev Cell	IF
Guo-Xiang Zhou	34896485	Sci Total Environ	WB

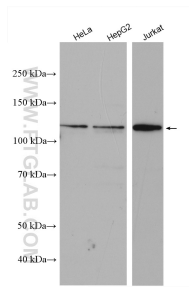
## Storage

**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

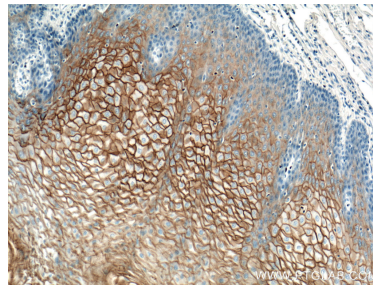
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

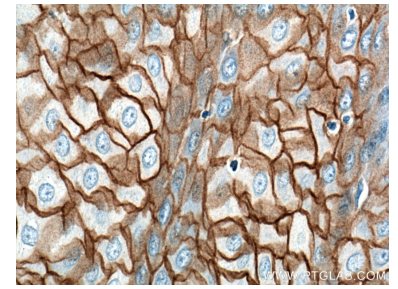
## Selected Validation Data



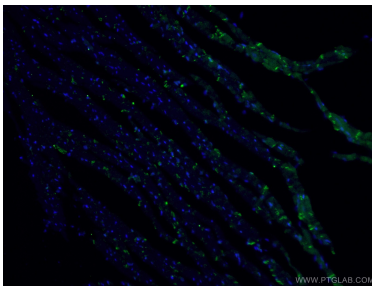
Various lysates were subjected to SDS PAGE followed by western blot with 13876-1-AP (Desmocollin 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



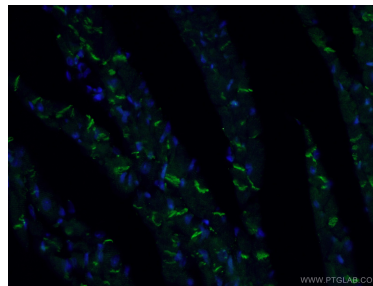
Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 13876-1-AP (Desmocollin 2 antibody) at dilution of 1:1000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 13876-1-AP (Desmocollin 2 antibody) at dilution of 1:1000 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using 13876-1-AP (Desmocollin 2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using 13876-1-AP (Desmocollin 2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).