

For Research Use Only

# Plakophilin 3 Polyclonal antibody

Catalog Number: 18338-1-AP

3 Publications



## Basic Information

### Catalog Number:

18338-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13062

### GenBank Accession Number:

BC000081

### GeneID (NCBI):

11187

### UNIPROT ID:

Q9Y446

### Full Name:

plakophilin 3

### Calculated MW:

87 kDa

### Observed MW:

87 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

**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 : K-562 cells, A549 cells, HeLa cells, MCF-7 cells

IP : A549 cells,

IHC : human skin tissue, human bowen disease, human colon tissue, mouse skin tissue

## Notable Publications

Author	Pubmed ID	Journal	Application
Liangshun Zhang	38114688	Med Oncol	IHC
Yan Du	37760912	Biomedicines	IHC
Yuan Li	37420272	J Ovarian Res	WB,IHC

## 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)

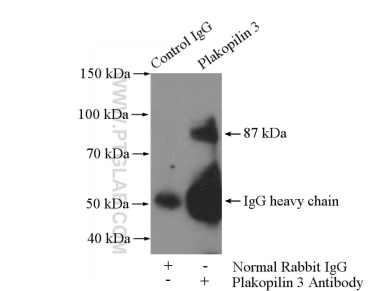
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

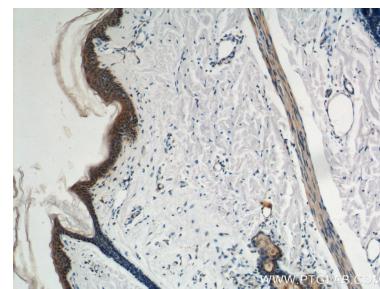
## Selected Validation Data



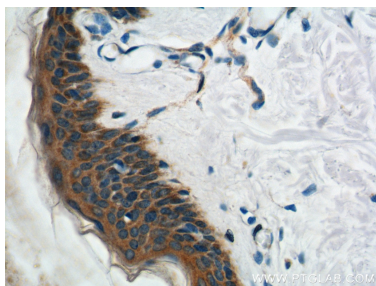
K-562 cells were subjected to SDS PAGE followed by western blot with 18338-1-AP (Plakophilin 3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



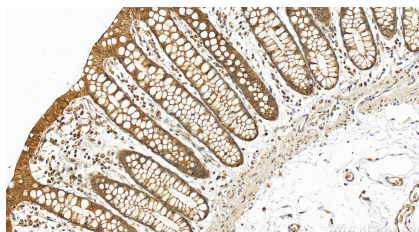
IP result of anti-Plakophilin 3 (IP:18338-1-AP, 4ug; Detection:18338-1-AP 1:600) with A549 cells lysate 1000ug.



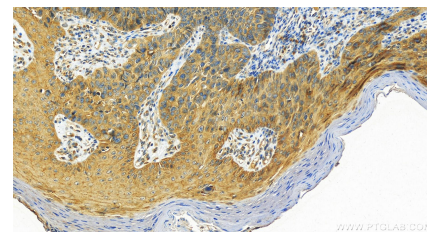
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 18338-1-AP (Plakophilin 3 antibody at dilution of 1:200 (under 10x lens).



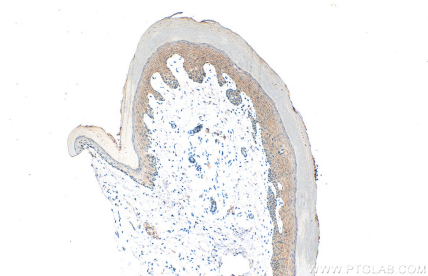
Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 18338-1-AP (Plakophilin 3 antibody at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 18338-1-AP (Plakophilin 3 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human bowen disease slide using 18338-1-AP (Plakophilin 3 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 18338-1-AP (Plakophilin 3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).