

For Research Use Only

# Cadherin-16 Polyclonal antibody

Catalog Number: 15107-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

15107-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4343

### GenBank Accession Number:

BC027912

### GeneID (NCBI):

1014

### UNIPROT ID:

O75309

### Full Name:

cadherin 16, KSP-cadherin

### Calculated MW:

90 kDa

### Observed MW:

130 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

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** : mouse kidney tissue, human kidney tissue, HEK-293 cells, rat kidney tissue

**IHC** : human kidney tissue, human renal cell carcinoma tissue

## Background Information

Cadherin-16 (CDH16), also known as kidney-specific cadherin (Ksp-cadherin), is a tissue-specific member of the cadherin family of adhesion molecules (PMID: 7615566). It is a glycoprotein expressed by tubular epithelial cells in the kidney. Cadherin-16 expression is down-regulated in renal cell carcinoma, suggesting a role in tumor suppression (PMID: 15886705).

## Notable Publications

Author	Pubmed ID	Journal	Application
Petrina Koumariou	27780871	J Cell Sci	WB, IF
Huzi Xu	35641484	Cell Death Dis	IF
Xiaolin Yang	35350592	Oncol Lett	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

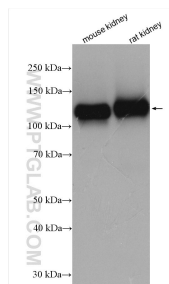
For technical support and original validation data for this product please contact:

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

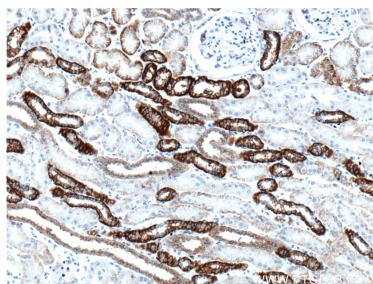
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

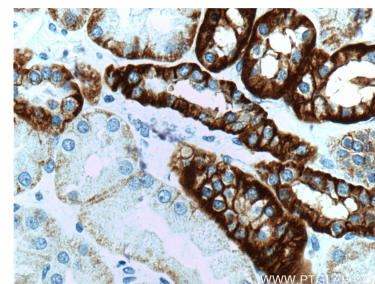
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15107-1-AP (Cadherin-16 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15107-1-AP (Cadherin-16 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15107-1-AP (Cadherin-16 antibody at dilution of 1:200 (under 40x lens).