

For Research Use Only

# COL4A3BP Polyclonal antibody

Catalog Number: 15191-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

15191-1-AP

### Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 147 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7277

### GenBank Accession Number:

BC000102

### GeneID (NCBI):

10087

### UNIPROT ID:

Q9Y5P4

### Full Name:

collagen, type IV, alpha 3 (Goodpasture antigen) binding protein

### Calculated MW:

71 kDa

### Observed MW:

80-89 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : mouse brain tissue, HEK-293 cells, human pancreas tissue, mouse kidney tissue, mouse pancreas tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human pancreas tissue, human kidney tissue

**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

COL4A3BP(Collagen type IV alpha-3-binding protein) is also named as CERT, STARD11. CERT extracts ceramide from the ER and carries it to the Golgi apparatus in a non-vesicular manner and that a particularly efficient cycle of CERT movement for trafficking of ceramide may proceed at membrane contact sites between the ER and the Golgi apparatus(PMID:17314061). This protein has 3 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yaling Li	33210714	Acta Biochim Biophys Sin (Shanghai)	WB
Xin Tracy Liu	36333295	Oncogenesis	WB
Birol Cabukusta	39106189	Elife	

## 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

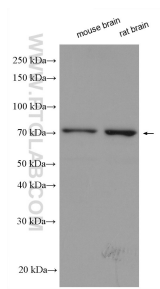
For technical support and original validation data for this product please contact:

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

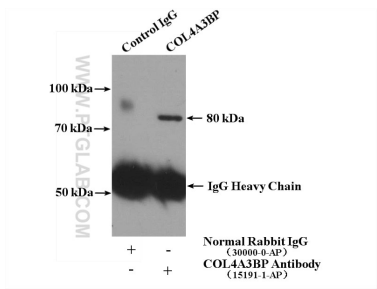
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

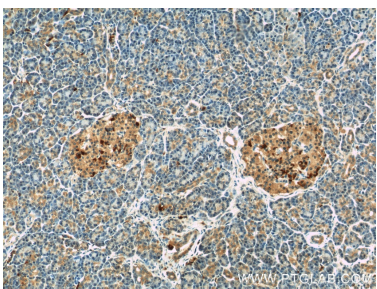
Selected Validation Data



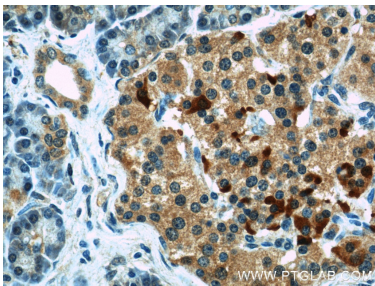
Various lysates were subjected to SDS PAGE followed by western blot with 15191-1-AP (COL4A3BP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-COL4A3BP (IP:15191-1-AP, 4ug; Detection:15191-1-AP 1:300) with mouse brain tissue lysate 3680ug.



Immunohistochemical analysis of paraffin-embedded human pancreas slide using 15191-1-AP (COL4A3BP Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human pancreas slide using 15191-1-AP (COL4A3BP Antibody) at dilution of 1:50.