

For Research Use Only

# COL4A3BP Polyclonal antibody

Catalog Number: 15191-1-AP **5 Publications**



## Basic Information

**Catalog Number:**

15191-1-AP

**Size:**

260 µg/ml

**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 µg for 1.0-3.0 mg of total  
protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, 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 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

## 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
Yasuhiro Horibata	38110110	Arch Biochem Biophys	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:

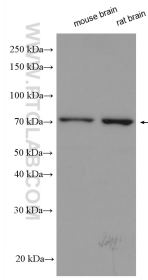
T: 4006900926

E: Proteintech-CN@ptglab.com

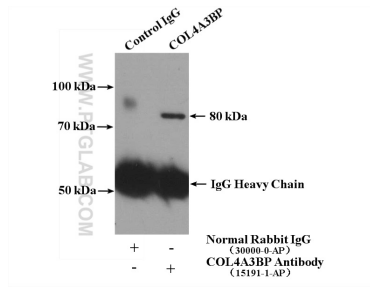
W: ptgcn.com

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

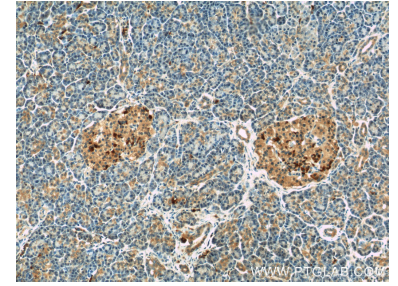
## Selected Validation Data



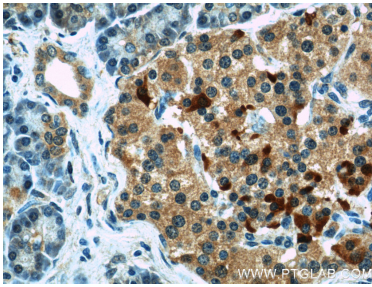
Various lysates were subjected to SDS PAGE followed by western blot with 15191-1-AP (COL4A3BP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.