

For Research Use Only

COL4A3BP Polyclonal antibody

Catalog Number: 15191-1-AP

Featured Product

9 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

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
Masanori Fukushima	30139741	J Biol Chem	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

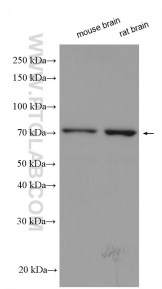
For technical support and original validation data for this product please contact:

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

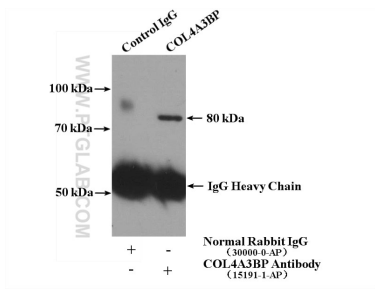
E: proteintech@ptglab.com
W: ptglab.com

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

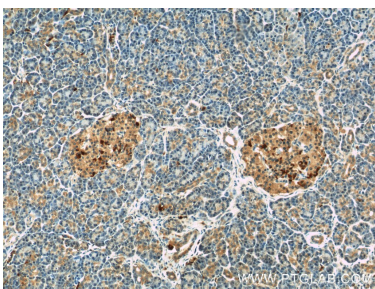
Selected Validation Data



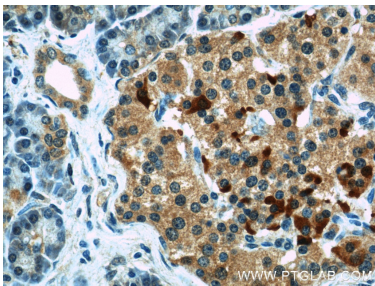
Various lysates were subjected to SDS PAGE followed by western blot with 15191-1-AP (COL4A3BP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.