

For Research Use Only

COL4A3BP Polyclonal antibody

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



Basic Information

| | | |
|---|---|--|
| Catalog Number: 15191-1-AP | GenBank Accession Number: BC000102 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 260 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 10087 | 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 |
| Source: Rabbit | Full Name: collagen, type IV, alpha 3 (Goodpasture antigen) binding protein | |
| Isotype: IgG | Calculated MW: 71 kDa | |
| Immunogen Catalog Number: AG7277 | Observed MW: 80-89 kDa | |

Applications

| | |
|--|---|
| Tested Applications: IHC, IP, WB, ELISA | Positive Controls: |
| Cited Applications: WB | WB: mouse brain tissue, HEK-293 cells, human pancreas tissue, mouse kidney tissue, mouse pancreas tissue, rat brain tissue |
| Species Specificity: human, mouse, rat | IP: mouse brain tissue, |
| Cited Species: human, rat, mouse | 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 |
| Yasuhiro Horibata | 38110110 | Arch Biochem Biophys | WB |

Storage

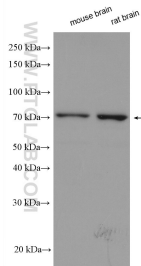
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

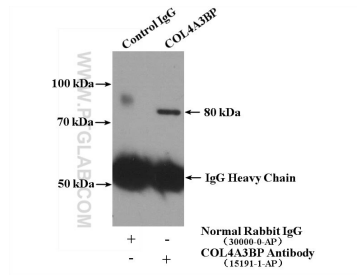
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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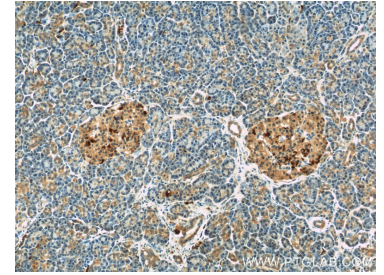
Selected Validation Data



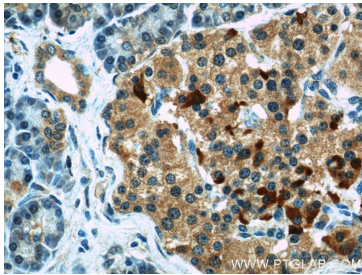
Various lysates were subjected to SDS PAGE followed by western blot with 15191-1-AP (COL4A3BP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.