

For Research Use Only

INPP5B Polyclonal antibody

Catalog Number: 15141-1-AP **5 Publications**



Basic Information

| | | |
|---|--|--|
| Catalog Number: 15141-1-AP | GenBank Accession Number: BC058932 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 353 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 3633 | Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 |
| Source: Rabbit | Full Name: inositol polyphosphate-5-phosphatase, 75kDa | |
| Isotype: IgG | Calculated MW: 113 kDa | |
| Immunogen Catalog Number: AG7315 | Observed MW: 75 kDa | |

Applications

| | |
|--|---|
| Tested Applications: IHC, WB, ELISA | Positive Controls: |
| Cited Applications: IF, IHC, WB | WB: mouse spleen tissue, HeLa cells, human placenta tissue |
| Species Specificity: human, mouse, rat | IHC: mouse pancreas tissue, |
| 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 | |

Background Information

INPP5B (Type II inositol 1,4,5-trisphosphate 5-phosphatase) is also named as OCRL2, 5PTase, 75 kDa inositol polyphosphate-5-phosphatase and belongs to the inositol 1,4,5-trisphosphate 5-phosphatase type II family. This protein, originally described in platelets, is one of at least three known enzymes capable of dephosphorylating inositol-1,4,5-trisphosphate (IP3) to inositol-1,4-bisphosphate (IP2) (PMID:8125013). It has 4 isoforms produced by alternative splicing.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|------------------------------------|-------------|
| Lin Shen | 36150660 | Biochim Biophys Acta Mol Basis Dis | WB |
| Megan L Gliozzi | 31676724 | J Am Soc Nephrol | WB |
| Jun Deng | 35568951 | Cancer Cell Int | WB |

Storage

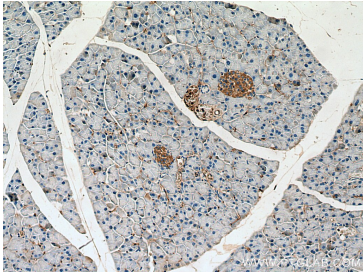
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

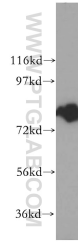
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 15141-1-AP (INPP5B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 15141-1-AP (INPP5B antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.