

For Research Use Only

# INPP5B Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 15141-1-AP	<b>GenBank Accession Number:</b> BC058932	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 3633	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P32019	
<b>Isotype:</b> IgG	<b>Full Name:</b> inositol polyphosphate-5-phosphatase, 75kDa	
<b>Immunogen Catalog Number:</b> AG7315	<b>Calculated MW:</b> 113 kDa	
	<b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IF, IHC	<b>WB:</b> mouse spleen tissue, HeLa cells, human placenta tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> mouse pancreas tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

INPP5B (Type II inositol 1,4,5-trisphosphate 5-phosphatase) is also named as OCRL2, SPTase, 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 (IP<sub>3</sub>) to inositol-1,4-bisphosphate (IP<sub>2</sub>) (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

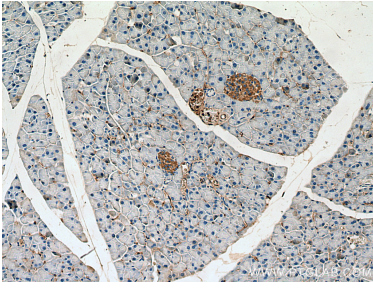
## Storage

**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

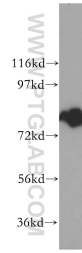
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## Selected Validation Data



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.