

**INPP4B Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8902c**

**Specification**

**INPP4B Antibody (Center) - Product Information**

Application	<b>WB, IHC-P, FC,E</b>
Primary Accession	<a href="#">O15327</a>
Other Accession	<a href="#">Q9QWG5</a> , <a href="#">Q6P1Y8</a> , <a href="#">Q4R4D7</a>
Reactivity	<b>Human</b>
Predicted	<b>Monkey, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Calculated MW	<b>104738</b>
Antigen Region	<b>367-393</b>

**INPP4B Antibody (Center) - Additional Information**

**Gene ID** 8821

**Other Names**

Type II inositol 3, 4-bisphosphate  
4-phosphatase, Inositol polyphosphate  
4-phosphatase type II, INPP4B

**Target/Specificity**

This INPP4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 367-393 amino acids from the Central region of human INPP4B.

**Dilution**

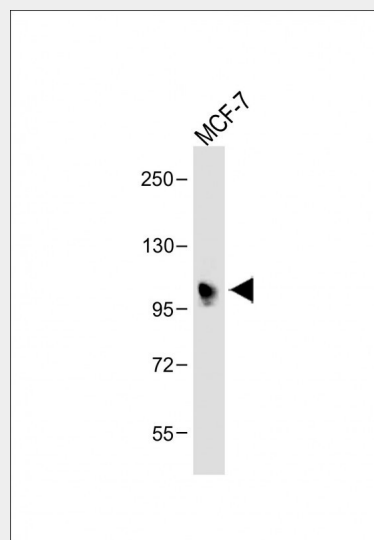
WB~~1:500  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

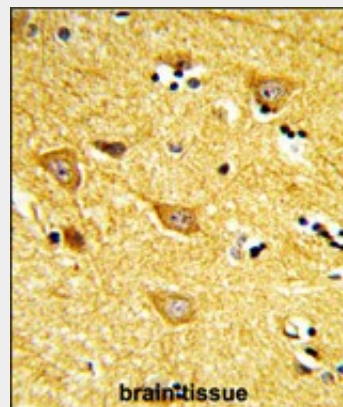
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C



Anti-INPP4B Antibody (Center) at 1:500 dilution + MCF-7 whole cell lysate  
Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 105 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human brain tissue reacted with INPP4B Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

in small aliquots to prevent freeze-thaw cycles.

### Precautions

INPP4B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### INPP4B Antibody (Center) - Protein Information

**Name** INPP4B

### Function

Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-trisphosphate (PubMed:<a href="http://www.uniprot.org/citations/24070612" target="\_blank">24070612</a>, PubMed:<a href="http://www.uniprot.org/citations/24591580" target="\_blank">24591580</a>). Plays a role in the late stages of macropinocytosis by dephosphorylating phosphatidylinositol 3,4-bisphosphate in membrane ruffles (PubMed:<a href="http://www.uniprot.org/citations/24591580" target="\_blank">24591580</a>). The lipid phosphatase activity is critical for tumor suppressor function. Antagonizes the PI3K-AKT/PKB signaling pathway by dephosphorylating phosphoinositides and thereby modulating cell cycle progression and cell survival (PubMed:<a href="http://www.uniprot.org/citations/19647222" target="\_blank">19647222</a>, PubMed:<a href="http://www.uniprot.org/citations/24070612" target="\_blank">24070612</a>).

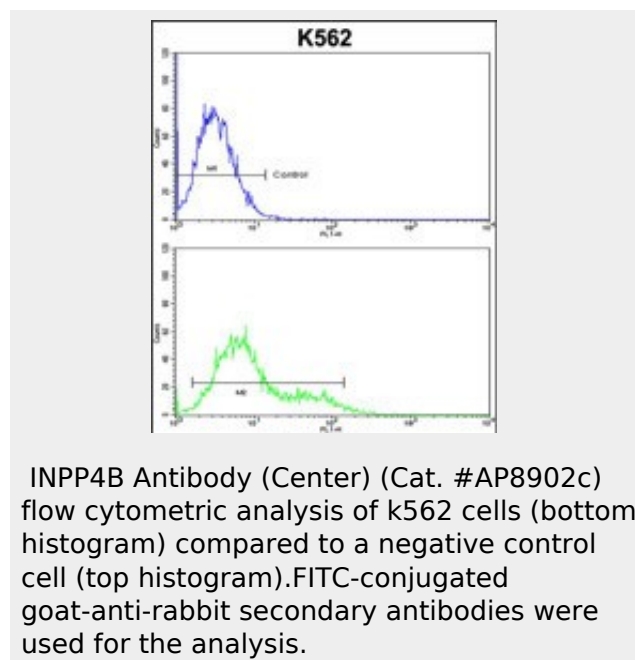
### Tissue Location

Widely expressed with highest levels occurring in the skeletal muscle and heart.

### INPP4B Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)



### INPP4B Antibody (Center) - Background

INPP4B catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate.

### INPP4B Antibody (Center) - References

Norris F.A., et.al., J. Biol. Chem. 272:23859-23864(1997).

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)