

**INPP4A Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56354****Specification**

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**INPP4A Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q96PE3</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109956

**INPP4A Polyclonal Antibody - Additional Information****Gene ID** 3631**Other Names**

Inositol polyphosphate-4-phosphatase type I A {ECO:0000312|HGNC:HGNC:6074}, Inositol polyphosphate 4-phosphatase type I, Type I inositol 3, 4-bisphosphate 4-phosphatase, 3.1.3.66, INPP4A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**INPP4A Polyclonal Antibody - Protein Information****Name** INPP4A**Function**

Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P<sub>2</sub>) (PubMed:<a href="http://www.uniprot.org/citations/20463662" target="\_blank">20463662</a>, PubMed:<a href="http://www.uniprot.org/citations/15716355" target="\_blank">15716355</a>). Catalyzes also inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate (By similarity). 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/30071275" target="\_blank">30071275</a>) (By similarity). May protect neurons from excitotoxic cell death by regulating the synaptic localization of cell surface N-methyl-D- aspartate-type glutamate receptors (NMDARs) and NMDAR-mediated excitatory postsynaptic current (By similarity).

**Cellular Location**

Early endosome membrane. Recycling endosome membrane. Cell membrane. Nucleus Cytoplasm. Postsynaptic density {ECO:0000250|UniProtKB:Q9EPW0}. Note=Translocates to the plasma

membrane upon EGF stimulation (PubMed:15716355). Shuttles between the cytoplasm and the nucleus, depending on the cell cycle stage, with highest amounts detected in the nucleus during the G0/G1phase (PubMed:30071275).

**Tissue Location**

Isoform 1 is expressed in the platelets, MEG-01 megakaryocytes and Jurkat T-cells. Isoform 2 is expressed in the brain

**INPP4A Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**INPP4A Polyclonal Antibody - Images**