

INPP4B Antibody
Rabbit mAb
Catalog # AP90773**Specification****INPP4B Antibody - Product Information**

Application	WB, IHC, FC
Primary Accession	O15327
Reactivity	Rat
Clonality	Monoclonal

Other Names

4-bisphosphate 4-phosphatase; Inositol polyphosphate 4 phosphatase type II 105kDa; Inositol polyphosphate 4-phosphatase type II; Inpp4b; MGC132014; Type II inositol 3, 4 bisphosphate 4 phosphatase; Type II inositol-3;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	104738 Da

INPP4B Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human INPP4B
Description	Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

INPP4B Antibody - 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:24070612, PubMed:24591580). 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). 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:19647222, PubMed:24070612).

Tissue Location

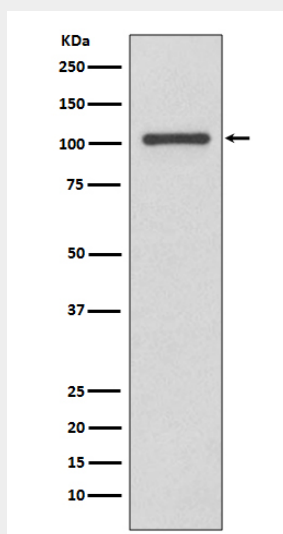
Widely expressed with highest levels occurring in the skeletal muscle and heart.

INPP4B 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](#)

INPP4B Antibody - Images



Western blot analysis of INPP4B expression in MCF-7 cell lysate.