

Anti-INPP4B/Type II 4 Phosphatase Rabbit Monoclonal Antibody
Catalog # ABO13843**Specification****Anti-INPP4B/Type II 4 Phosphatase Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, FC
Primary Accession	O15327
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-INPP4B/Type II 4 Phosphatase Rabbit Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-INPP4B/Type II 4 Phosphatase Rabbit Monoclonal Antibody - Additional Information

Gene ID 8821

Other Names

Inositol polyphosphate 4-phosphatase type II, Type II inositol 3, 4-bisphosphate 4-phosphatase, 3.1.3.66, INPP4B

Calculated MW

104738 MW KDa

Application Details

WB 1:1000-1:2000
IHC 1:50-1:200
FC 1:50

Tissue Specificity

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

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human INPP4B

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-INPP4B/Type II 4 Phosphatase Rabbit Monoclonal 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: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).

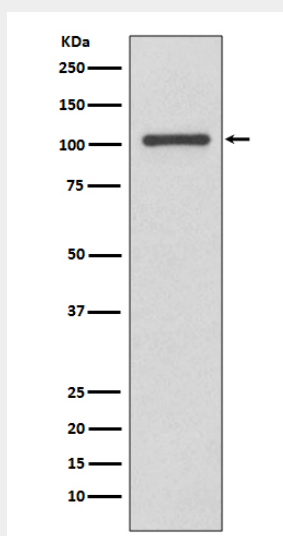
Tissue Location

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

Anti-INPP4B/Type II 4 Phosphatase Rabbit Monoclonal 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](#)

Anti-INPP4B/Type II 4 Phosphatase Rabbit Monoclonal Antibody - Images

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