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Anti-INPP4B/Type Ii 4 Phosphatase Rabbit Monoclonal Antibody

Catalog # ABO13843

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.

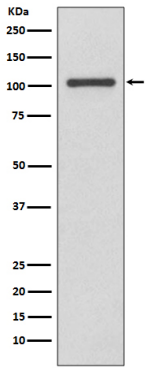
Additional Information

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
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..
Source	Eukaryota
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.
Clone Names	Clone: GDO-9
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.

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.