

INPP4B Antibody

Rabbit mAb

Catalog # AP90773

Product Information

Application	WB, IHC, FC
Primary Accession	O15327
Reactivity	Rat, Human, Mouse
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

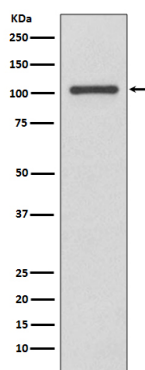
Additional Information

Dilution	WB 1:1000~1:2000 IHC 1:50~1:200 FC 1:50
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.

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.

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