

INPP4B Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8902c**Specification****INPP4B Antibody (Center) Blocking Peptide -
Product Information**Primary Accession [O15327](#)**INPP4B Antibody (Center) Blocking Peptide -
Additional Information****Gene ID** 8821**Other Names**Type II inositol 3, 4-bisphosphate
4-phosphatase, Inositol polyphosphate
4-phosphatase type II, INPP4B**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8902c](/products/AP8902c) was selected from the Center region of human INPP4B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**INPP4B Antibody (Center) Blocking Peptide -
Protein Information****Name** INPP4B**INPP4B Antibody (Center) Blocking
Peptide - Background**

INPP4B catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate.

**INPP4B Antibody (Center) Blocking
Peptide - References**

Norris F.A., et.al., J. Biol. Chem.
272:23859-23864(1997).

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.

INPP4B Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)