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INPP5B Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP10490b

Specification

INPP5B Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	P32019
Other Accession	NP_005531.2

INPP5B Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 3633

Other Names
Type II inositol 1, 5-trisphosphate 5-phosphatase, 75 kDa inositol polyphosphate-5-phosphatase, Phosphoinositide 5-phosphatase, 5PTase, INPP5B, OCRL2

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.

INPP5B Antibody (C-term) Blocking Peptide - Protein Information

Name INPP5B

Synonyms OCRL2

Function
Hydrolyzes phosphatidylinositol 4,5-bisphosphate (PtIns(4,5)P2) and the signaling molecule phosphatidylinositol 1,4,5- trisphosphate (PtIns(1,4,5)P3), and thereby modulates cellular signaling events.

Cellular Location
Cytoplasm, cytosol. Endoplasmic reticulum-Golgi intermediate compartment. Early endosome membrane. Membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle, phagosome membrane {ECO:0000250|UniProtKB:Q8K337}. Golgi apparatus

Tissue Location
Platelets.

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INPP5B Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

INPP5B Antibody (C-term) Blocking Peptide - Images

INPP5B Antibody (C-term) Blocking Peptide - Background

Cellular calcium signaling is controlled by the productionof inositol phosphates (IPs) by phospholipase C in response toextracellular signals. The IP signaling molecules are inactivatedby a family of inositol polyphosphate-5-phosphatases(5-phosphatases). INPP5B encodes the type II 5-phosphatase. Theprotein is localized to the cytosol and mitochondria, andassociates with membranes through an isoprenyl modification nearthe C-terminus. Several alternatively spliced transcript variantsof this gene have been described, but the full-length nature ofsome of these variants has not been determined. [provided byRefSeq].

INPP5B Antibody (C-term) Blocking Peptide - References

Coon, B.G., et al. Hum. Mol. Genet. 18(23):4478-4491(2009)Mao, Y., et al. EMBO J. 28(13):1831-1842(2009)Williams, C., et al. J. Cell. Sci. 120 (PT 22), 3941-3951 (2007) :Speed, C.J., et al. Eur. J. Biochem. 234(1):216-224(1995)Janne, P.A., et al. Genomics 28(2):280-285(1995)