

**INPP5B Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP10490b****Specification**

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**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.

## **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 production of inositol phosphates (IPs) by phospholipase C in response to extracellular signals. The IP signaling molecules are inactivated by a family of inositol polyphosphate-5-phosphatases (5-phosphatases). INPP5B encodes the type II 5-phosphatase. The protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq].

## **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)