

Rabbit anti-Human INPP5B Polyclonal Antibody | anti-INPP5B antibody

INPP5B Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290062	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

INPP5B; Polyclonal Antibody; INPP5B Antibody (C-term); Type II inositol 1; 5-trisphosphate 5-phosphatase; 75 kDa inositol polyphosphate-5-phosphatase; Phosphoinositide 5-phosphatase; 5PTase; OCRL2; anti-INPP5B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This INPP5B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 950-979 amino acids from the C-terminal region of human INPP5B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	950-979
Sequence Length	828
Applicable Applications for anti-INPP5B antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

INPP5B Antibody (C-term) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

INPP5B antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the INPP5B antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
INPP5B Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the INPP5B antibody detected the INPP5B protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-INPP5B antibody	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].
Product Categories/Family for anti-INPP5B antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	113722125
NCBI GeneID	3633
NCBI Accession #	NP_005531.2
NCBI GenBank Nucleotide #	NM_005540.2
UniProt Accession #	P32019; Q5VSG9; Q5VSH0; Q5VSH1; Q658Q5; Q6P6D4; Q6PD53; Q86YE1; C9J6U5
Molecular Weight	112852
NCBI Official Full Name	type II inositol 1,4,5-trisphosphate 5-phosphatase isoform 1
NCBI Official Synonym Full Names	inositol polyphosphate-5-phosphatase, 75kDa
NCBI Official Symbol	INPP5B
NCBI Official Synonym Symbols	5PTase
NCBI Protein Information	type II inositol 1,4,5-trisphosphate 5-phosphatase
UniProt Protein Name	Type II inositol 1,4,5-trisphosphate 5-phosphatase
UniProt Gene Name	INPP5B
UniProt Synonym Gene Names	OCRL2; 5PTase
UniProt Entry Name	I5P2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

