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INPP5B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10490b

Specification

INPP5B Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P32019
Other Accession	NP_005531.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	112852
Antigen Region	950-979

INPP5B Antibody (C-term) - Additional Information

Gene ID 3633

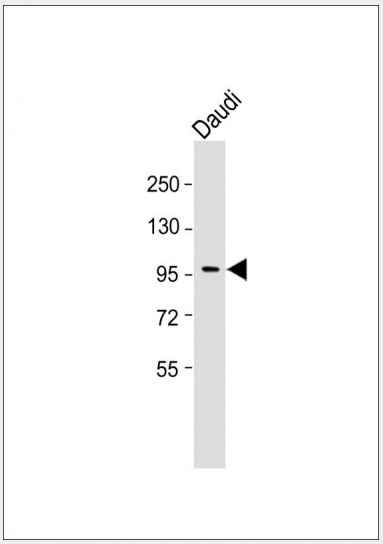
Other Names
Type II inositol 1, 5-trisphosphate 5-phosphatase, 75 kDa inositol polyphosphate-5-phosphatase, Phosphoinositide 5-phosphatase, 5PTase, INPP5B, OCRL2

Target/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.

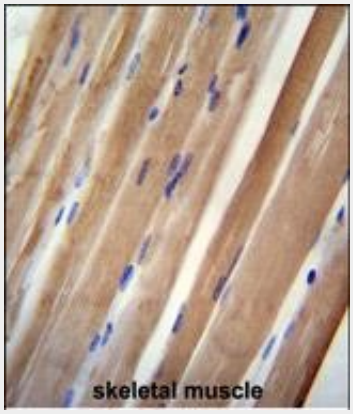
Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw



Anti-INPP5B Antibody (C-term) at 1:1000 dilution + Daudi whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 113 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



INPP5B antibody (C-term) (Cat. #AP10490b) 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

cycles.

Precautions
INPP5B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

INPP5B Antibody (C-term) - 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

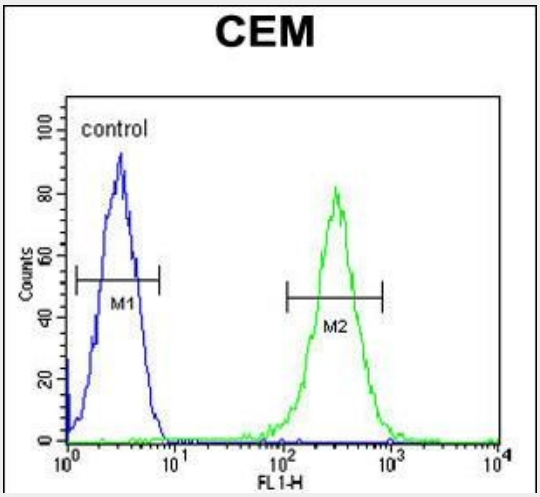
Tissue Location
Platelets.

INPP5B Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

not been evaluated.



INPP5B Antibody (C-term) (Cat. #AP10490b) 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.

INPP5B Antibody (C-term) - 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) - References

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