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Datasheet for ABIN952906 anti-INPP5B antibody (C-Term)

3 Images



Overview

Quantity:	0.4 mL
Target:	INPP5B
Binding Specificity:	AA 957-987, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INPP5B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 957-987 amino acids from the C-terminal region of Human INPP5B / 5PTase 2.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human INPP5B / 5PTase 2 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

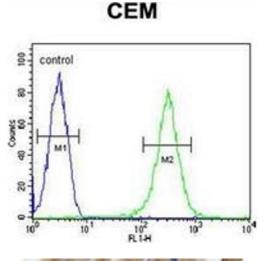
Target:	INPP5B
Abstract:	INPP5B Products

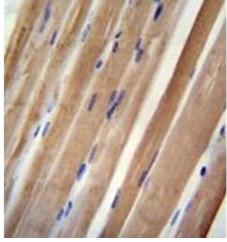
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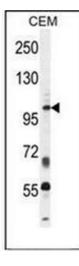
Target Details

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].Synonyms: 4, 5-trisphosphate
5-phosphatase, 75 kDa inositol polyphosphate-5-phosphatase, Phosphoinositide 5-
phosphatase, Type II inositol-1
112852 Da
3633
NP_005531
Optimal working dilution should be determined by the investigator.
For Research Use only
Liquid
0.25 mg/mL
PBS containing 0.09 % (W/V) Sodium Azide as preservative
PBS containing 0.09 % (W/V) Sodium Azide as preservative Sodium azide
Sodium azide
Sodium azide This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
Sodium azide This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Flow Cytometry

Image 1. Flow cytometric analysis of CEM cells using INPP5B / 5PTase 2 Antibody (C-term) Cat.-No AP52214PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle reacted with INPP5B / 5PTase 2 Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.

Western Blotting

Image 3. Western blot analysis of INPP5B / 5PTase 2 Antibody (C-term) in CEM cell line lysates (35ug/lane). This demonstrates the INPP5B antibody detected the INPP5B protein (arrow).

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