

DATASHEET

INPP5B Rabbit Polyclonal Antibody

CAT. NO. APA15917

KEY FEATURES

Target	INPP5B	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Regulates phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂) cellular levels by cleaving the phosphate at the 5-position producing PtdIns(4)P. Also hydrolyzes the 5-position phosphate from inositol 1,4,5-trisphosphate (Ins(1,4,5)P₃), thereby modulating cellular signaling events.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to INPP5B
Specificity	Recognizes endogenous levels of INPP5B protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human INPP5B. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 85; Observed: 113 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	OCRL2; Type II inositol 1 4 5-trisphosphate 5-phosphatase; 75 kDa inositol polyphosphate-5-phosphatase; Phosphoinositide 5-phosphatase; 5PTase
Gene Symbol	INPP5B
Entrez Gene	3633(Human); 16330(Mouse)
SwissProt	P32019(Human); Q8K337(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

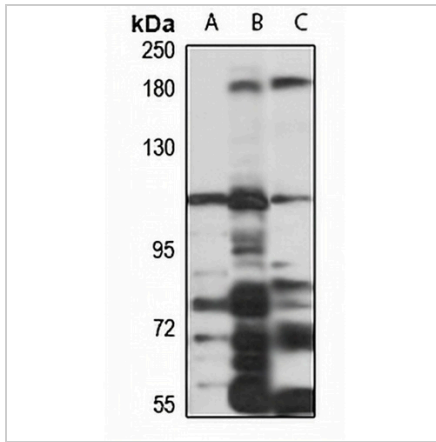
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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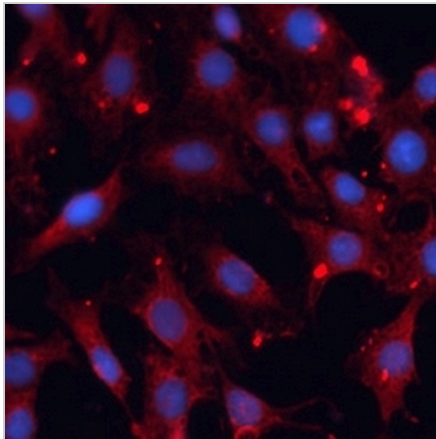
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Western blot analysis of INPP5B expression in HepG2 (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 85; 93; 103; 112 kD; Observed band size: 113 kD)



Immunofluorescent analysis of INPP5B staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.