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INPP5A Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21321b

Product Information

Application	WB, E
Primary Accession	Q14642
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52485
Calculated MW	47820

Additional Information

Gene ID	3632
Other Names	Type I inositol 1, 5-trisphosphate 5-phosphatase, 5PTase, INPP5A
Target/Specificity	This INPP5A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 306-340 amino acids from the C-terminal region of human INPP5A.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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 cycles.
Precautions	INPP5A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	INPP5A (HGNC:6076)
Function	Phosphatase that specifically hydrolyzes the 5-phosphate of inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate, and inositol 1,3,4,5-tetrasphosphate to inositol 1,3,4-trisphosphate (PubMed:40969890, PubMed:8013665, PubMed:8626616, PubMed:8769125). Plays a crucial role in the survival of cerebellar Purkinje cells (By similarity).

Cellular Location	Cell membrane; Lipid-anchor {ECO:0000269|PubMed:8626616, ECO:0000305}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q7TNC9}
Tissue Location	Predominantly expressed in heart, brain, and skeletal muscle (PubMed:8006039). In brain; high level in Purkinje cells (PubMed:8013665).

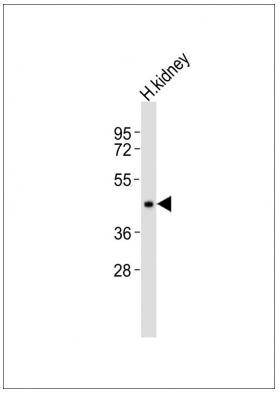
Background

Major isoenzyme hydrolyzing the calcium-mobilizing second messenger Ins(1,4,5)P3, this is a signal-terminating reaction.

References

de Smedt F.,et al.FEBS Lett. 347:69-72(1994).
Deloukas P.,et al.Nature 429:375-381(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Laxminarayan K.M.,et al.J. Biol. Chem. 269:17305-17310(1994).

Images



Anti-INPP5A Antibody (C-term)at 1:1000 dilution + human kidney lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.