

INPP5A Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21321b**Specification**

INPP5A Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q14642
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	47820

INPP5A Antibody (C-term) - 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

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.

INPP5A Antibody (C-term) - 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-tetrakisphosphate to inositol 1,3,4-trisphosphate (PubMed:[8013665](#), PubMed:[8769125](#), PubMed:[8626616](#)). 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}

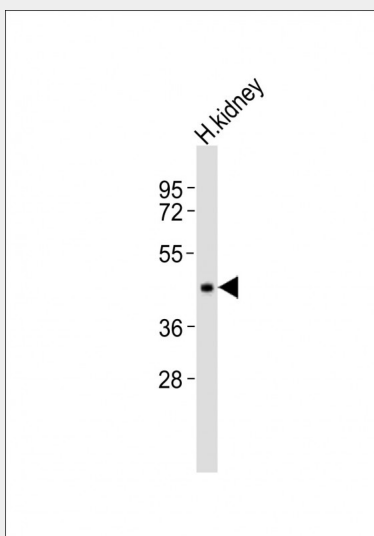
Tissue Location

Predominantly expressed in heart, brain, and skeletal muscle (PubMed:8006039). In brain; high level in Purkinje cells (PubMed:8013665).

INPP5A 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 Cytometry](#)
- [Cell Culture](#)

INPP5A Antibody (C-term) - 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.

INPP5A Antibody (C-term) - Background

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

INPP5A Antibody (C-term) - 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).