

Anti-INPP5E Antibody
Catalog # AP53773**Specification**

Anti-INPP5E Antibody - Product Information

Application	WB
Primary Accession	Q9NRR6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70205

Anti-INPP5E Antibody - Additional Information**Gene ID** 56623**Other Names**

72 kDa inositol polyphosphate 5-phosphatase; Phosphatidylinositol 4, 5-bisphosphate 5-phosphatase; Phosphatidylinositol polyphosphate 5-phosphatase type IV

Target/Specificity

Recognizes endogenous levels of INPP5E protein.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-INPP5E Antibody - Protein Information**Name** INPP5E**Function**

Phosphatidylinositol (PtdIns) phosphatase that specifically hydrolyzes the 5-phosphate of phosphatidylinositol-3,4,5-trisphosphate (PtdIns(3,4,5)P3), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) and phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) (PubMed:10764818) (By similarity). Specific for lipid substrates, inactive towards water soluble inositol phosphates (PubMed:10764818). Plays an essential role in the primary cilium by controlling ciliary growth and phosphoinositide 3-kinase (PI3K) signaling and stability (By similarity).

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme. Golgi apparatus, Golgi stack membrane {ECO:0000250|UniProtKB:Q9JII1}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9JII1}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9JII1}. Cell membrane {ECO:0000250|UniProtKB:Q9WVR1}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9WVR1}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9WVR1}. Cell projection, ruffle {ECO:0000250|UniProtKB:Q9WVR1}. Cytoplasm {ECO:0000250|UniProtKB:Q9WVR1}. Nucleus {ECO:0000250|UniProtKB:Q9JII1} Note=Peripheral membrane protein associated with Golgi stacks {ECO:0000250|UniProtKB:Q9JII1}

Tissue Location

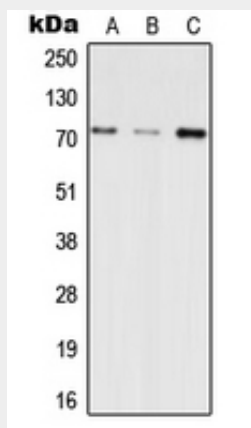
Detected in brain, heart, pancreas, testis and spleen.

Anti-INPP5E Antibody - 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](#)

Anti-INPP5E Antibody - Images



Western blot analysis of INPP5E expression in HEK293T (A), SP2/0 (B), H9C2 (C) whole cell lysates.

Anti-INPP5E Antibody - Background

Rabbit polyclonal antibody to INPP5E