

INPP5E Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58228**Specification**

INPP5E Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O9Y2H2
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	128407

INPP5E Polyclonal Antibody - Additional Information**Gene ID** 22876**Other Names**

Phosphatidylinositol phosphatase SAC2, 3.1.3.25, Inositol polyphosphate 5-phosphatase F {ECO:0000312|HGNC:HGNC:17054}, Sac domain-containing inositol phosphatase 2, Sac domain-containing phosphoinositide 4-phosphatase 2, hSAC2, INPP5F (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=17054), KIAA0966, SAC2

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

INPP5E Polyclonal Antibody - Protein Information**Name** INPP5F ([HGNC:17054](#))**Synonyms** KIAA0966, SAC2**Function**

Inositol 4-phosphatase which mainly acts on phosphatidylinositol 4-phosphate. May be functionally linked to OCRL, which converts phosphatidylinositol 4,5-bisphosphate to phosphatidylinositol, for a sequential dephosphorylation of phosphatidylinositol 4,5-bisphosphate at the 5 and 4 position of inositol, thus playing an important role in the endocytic recycling (PubMed:[25869669](http://www.uniprot.org/citations/25869669)). Regulator of TF:TFRC and integrins recycling pathway, is also involved in cell migration mechanisms (PubMed:[25869669](http://www.uniprot.org/citations/25869669)). Modulates AKT/GSK3B pathway by decreasing AKT and GSK3B phosphorylation (PubMed:[17322895](http://www.uniprot.org/citations/17322895)). Negatively regulates STAT3 signaling pathway through inhibition of STAT3 phosphorylation and translocation

to the nucleus (PubMed:25476455). Functionally important modulator of cardiac myocyte size and of the cardiac response to stress (By similarity). May play a role as negative regulator of axon regeneration after central nervous system injuries (By similarity).

Cellular Location

Membrane, clathrin-coated pit. Early endosome. Recycling endosome. Note=Also found on macropinosomes {ECO:0000250|UniProtKB:Q8CDA1}

Tissue Location

Ubiquitous (PubMed:11274189). Highly expressed in brain (PubMed:26203138).

INPP5E Polyclonal 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](#)

INPP5E Polyclonal Antibody - Images