

INPP5E Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58228

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9Y2H2
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	128407

Additional Information

Gene ID	22876
Other Names	Phosphatidylinositide 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 (HGNC:17054), KIAA0966, SAC2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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). Regulator of TF:TFRC and integrins recycling pathway, is also involved in cell migration mechanisms (PubMed: 25869669). Modulates AKT/GSK3B pathway by decreasing AKT and GSK3B phosphorylation (PubMed: 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).

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