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Datasheet for ABIN7140041  
**anti-INPP5F antibody (AA 187-204) (Biotin)**

### Overview

Quantity:	100 µL
Target:	INPP5F
Binding Specificity:	AA 187-204
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INPP5F antibody is conjugated to Biotin
Application:	ELISA

### Product Details

Immunogen:	Peptide sequence from Human Phosphatidylinositide phosphatase SAC2 protein (187-204AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	INPP5F
Alternative Name:	INPP5F ( <a href="#">INPP5F Products</a> )
Background:	Background: Inositol 4-phosphatase which mainly acts on phosphatidylinositol 4-phosphate. May be functionally linked to OCRL, which converts phosphatidylinositol 4,5-bisphosphate to

## Target Details

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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).

Aliases: INPP5F antibody, KIAA0966 antibody, SAC2 antibody, MSTP007 antibody, MSTP047 antibody, Phosphatidylinositide phosphatase SAC2 antibody, EC 3.1.3.25 antibody, Inositol polyphosphate 5-phosphatase F antibody, Sac domain-containing inositol phosphatase 2 antibody, Sac domain-containing phosphoinositide 4-phosphatase 2 antibody, hSAC2 antibody

UniProt: [Q9Y2H2](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.