

**INPP5F polyclonal antibody**

Catalog: BS35775

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Phosphatidylinositol 4-phosphatase SAC2: Phosphatidylinositol phosphatase which catalyzes the hydrolysis of phosphatidylinositol 4-phosphate (1,2-diacyl-sn-glycero-3-phospho-(1D-myo-inositol 4-phosphate), PtdIns(4)P). May be functionally linked to OCRL, which converts phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂) to PtdIns, for a sequential dephosphorylation of (PtdIns(4,5)P₂) at the 5 and 4 position of inositol, thus playing an important role in the endocytic recycling. Regulator of TF:TFRC and integrins recycling pathway, is also involved in cell migration mechanisms. Modulates AKT/GSK3B pathway by decreasing AKT and GSK3B phosphorylation. Negatively regulates STAT3 signaling pathway through inhibition of STAT3 phosphorylation and translocation to the nucleus. 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...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~128 kDa

Swiss-Prot:

Q9Y2H2

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

matography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of INPP5F protein

DATA:

Western blot analysis of HPGD expression in SW480 (A) whole cell lysates.

Immunofluorescent analysis of HPGD staining in SW480 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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