

SAC2 rabbit pAb

Catalog No :	YT7095
Reactivity :	Human;Mouse
Applications :	WB
Target :	SAC2
Fields :	>>Inositol phosphate metabolism;>>Metabolic pathways;>>Phosphatidylinositol signaling system
Gene Name :	INPP5F KIAA0966 SAC2 MSTP007 MSTP047
Protein Name :	SAC2
Human Gene Id :	22876
Human Swiss Prot No :	Q9Y2H2
Mouse Gene Id :	101490
Mouse Swiss Prot No :	Q8CDA1
Immunogen :	Synthesized peptide derived from human SAC2 AA range: 1006-1056
Specificity :	This antibody detects endogenous levels of SAC2 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1[?]500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 125kD

Background : The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase and contains a Sac domain. The activity of this protein is specific for phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011],

Function : function:Inositol 5-phosphatase which acts on phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-triphosphate. Hydrolyzes phosphatidylinositol 4,5-bisphosphate most effectively. Modulates AKT/GSK3B pathway by decreasing AKT and GSK3B phosphorylation.,miscellaneous:Inositol polyphosphate 5-phosphatases usually have 2 conserved motifs that are essential for 5-phosphatase activity. However, INPP5F does not contain such motifs, and phosphatase activity seems to exist in the SAC domain, suggesting a new type of phosphoinositide 5-phosphatase.,similarity:Contains 1 SAC domain.,tissue specificity:Ubiquitous.,

Subcellular Location : Membrane, clathrin-coated pit . Early endosome . Recycling endosome . Also found on macropinosomes. .

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

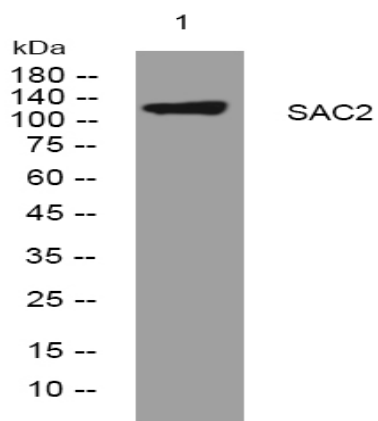
Sort : 14741

No4 : 1

Host : Rabbit

Modifications : Unmodified

Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night