

## SAC2 rabbit pAb

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

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

**Molecularweight :** 125kD

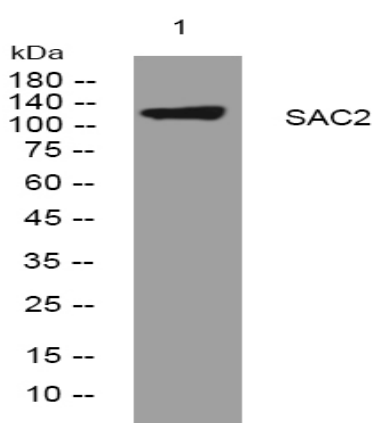
**Background :** The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase and contains a Sac domain. The activity of this protein is specific for phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Alternatively spliced transcript variants 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).

## Products Images



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