



SAC2 mouse mAb

Catalog No	YP-mAb-11730
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	INPP5F KIAA0966 SAC2 MSTP007 MSTP047
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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	hSAC2;INPP5F;KIAA0966;MSTP007;MSTP047;MSTPO47;SAC2;INPP5F KIAA0966 SAC2 MSTP007 MSTP047
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membrane, clathrin-coated pit . Early endosome . Recycling endosome . Also found on macropinosomes. .
Tissue Specificity	Ubiquitous (PubMed:11274189). Highly expressed in brain (PubMed:26203138).
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.,



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],

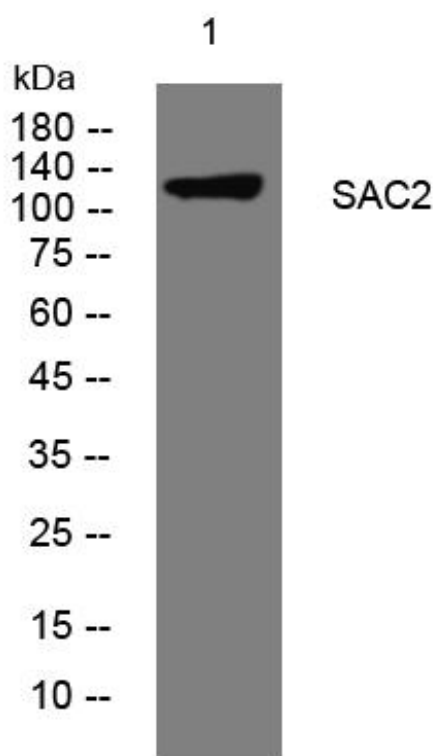
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SAC2 mouse mAb