



SYTL2 Mouse mAb

Catalog No	YP-mAb-19167
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SYTL2 KIAA1597 SGA72M SLP2 SLP2A
Immunogen	Synthesized peptide derived from human SYTL2
Specificity	This antibody detects endogenous levels of SYTL2 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Breast cancer-associated antigen SGA-72M;Exophilin-4;KIAA1597;SGA72M;SLP2;SYTL2 KIAA1597 SGA72M SLP2 SLP2A;Synaptotagmin-like protein 2 (Breast cancer-associated antigen SGA-72M) (Exophilin-4)
Observed Band	39 kDa, 100-105 kDa
Calculated Molecular Weight	934 aa, 105 kDa
Cell Pathway	[Isoform 1]: Cytoplasm . Cell membrane . Recruited on vesicular structures in cytotoxic T-lymphocytes (CTL) by RAB27A. . ; [Isoform 4]: Cell membrane . In the pancreatic alpha cells distributed in both peripheral and anterior regions. Localizes on the glucagon granules in the cell periphery. .
Tissue Specificity	Isoform 1 is expressed in hematopoietic lineages with a strong expression in CD4 and CD8 T-lymphocytes. It is also widely expressed in nonhematopoietic tissues. Isoform 5 is expressed only in nonhematopoietic tissues. Isoform 4 is expressed in pancreatic alpha cells.
Function	Isoform 1 acts as a RAB27A effector protein and plays a role in cytotoxic granule exocytosis in lymphocytes. It is required for cytotoxic granule docking at the immunologic synapse. Isoform 4 binds phosphatidylserine (PS) and phosphatidylinositol-4,5-bisphosphate (PIP2) and promotes the recruitment of glucagon-containing granules to the cell membrane in pancreatic alpha cells.



Binding to PS is inhibited by Ca^{2+} while binding to PIP2 is Ca^{2+} insensitive.

Background

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