

**SYTL2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4801c****Specification**

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**SYTL2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9HCH5](#)**SYTL2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 54843**Other Names**

Synaptotagmin-like protein 2, Breast cancer-associated antigen SGA-72M, Exophilin-4, SYTL2, KIAA1597, SGA72M, SLP2, SLP2A

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SYTL2 Antibody (Center) Blocking Peptide - Protein Information****Name** SYTL2**Synonyms** KIAA1597, SGA72M, SLP2, SLP2A**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.

**Cellular Location**

[Isoform 1]: Cytoplasm. Cell membrane Note=Recruited on vesicular structures in cytotoxic T-lymphocytes (CTL) by RAB27A.

**Tissue Location**

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.

## **SYTL2 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **SYTL2 Antibody (Center) Blocking Peptide - Images**

## **SYTL2 Antibody (Center) Blocking Peptide - Background**

SYTL2 is a synaptotagmin-like protein (SLP) that belongs to a C2 domain-containing protein family. The SLP homology domain (SHD) of this protein has been shown to specifically bind the GTP-bound form of Ras-related protein Rab-27A (RAB27A). This protein plays a role in RAB27A-dependent vesicle trafficking and controls melanosome distribution in the cell periphery.

## **SYTL2 Antibody (Center) Blocking Peptide - References**

Menasche, G., et al. Blood 112(13):5052-5062(2008) Kesari, A., et al. Am. J. Pathol. 173(5):1476-1487(2008) Chavas, L.M., et al. Structure 16(10):1468-1477(2008)