

Datasheet for ABIN7601965
anti-SYTL2 antibody (AA 522-934)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SYTL2
Binding Specificity:	AA 522-934
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYTL2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-SLP2/SYTL2 Antibody Picoband®
Immunogen:	E.coli-derived human SLP2/SYTL2 recombinant protein (Position: Q522-K934).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SLP2/SYTL2 Antibody Picoband® (ABIN7601965). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SYTL2
Alternative Name:	SYTL2 (SYTL2 Products)
Background:	<p>Synonyms: Neuropeptides B/W receptor type 1, G-protein coupled receptor 7, NPBWR1, GPR7</p> <p>Tissue Specificity: Found in cerebellum and frontal cortex. Detected at high levels in hippocampus, amygdala and trachea, at moderate levels in fetal brain, pituitary gland and prostate. Not in caudate, accumbens, kidney or liver. Also detected at high levels in lung carcinoma.</p> <p>Background: Synaptotagmin-like 2, also known as SYTL2, is a human gene. The protein encoded by this gene 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. Alternative splicing results in multiple transcript variants encoding distinct isoforms.</p>
Molecular Weight:	120-130 kDa
Gene ID:	54843

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Kuroda, T. S., Fukuda, M. Rab27A-binding protein Slp2-a is required for peripheral melanosome distribution and elongated cell shape in melanocytes. <i>Nature Cell Biol.</i> 6: 1195-1203, 2004. 2. Kuroda, T. S., Fukuda, M., Ariga, H., Mikoshiba, K. The Slp homology domain of synaptotagmin-like proteins 1-4 and Slac2 functions as a novel Rab27A binding domain. <i>J. Biol. Chem.</i> 277: 9212-9218, 2002. 3. Menasche, G., Menager, M. M., Lefebvre, J. M., Deutsch, E., Athman, R., Lambert, N., Mahlaoui, N., Court, M., Garin, J., Fischer, A., de Saint Basile, G. A newly identified isoform of Slp2a associates with Rab27a in cytotoxic T cells and participates in cytotoxic granule selection. <i>Blood</i> 112: 5052-5062, 2008.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.