

Anti-SYT17 Antibody Picoband®

Catalog Number: A11587-1

About SYT17

Predicted to enable SNARE binding activity; calcium ion sensor activity; and calcium-dependent phospholipid binding activity. Involved in positive regulation of dendrite extension and regulation of postsynaptic neurotransmitter receptor internalization. Is active in glutamatergic synapse and postsynapse.

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Overview

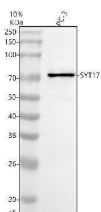
Product Name	Anti-SYT17 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-SYT17 Antibody Picoband® catalog # A11587-1. Tested in WB, ICC/IF, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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.
Host	Rabbit
Uniprot ID	Q9BSW7

Technical Details

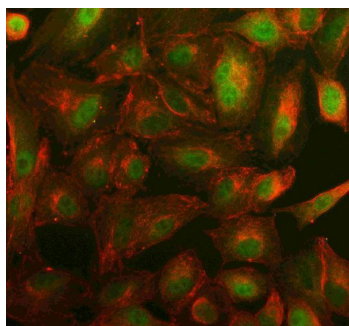
Immunogen	E.coli-derived human SYT17 recombinant protein (Position: R24-K304). Human SYT17 shares 95.7% and 96.4% amino acid (aa) sequence identity with mouse and rat SYT17, respectively.
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human ELISA, 0.1-0.5 ug/ml

Anti-SYT17 Antibody Picoband® (A11587-1) Images



Western blot analysis of SYT17 using anti-SYT17 antibody (A11587-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human PC-3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SYT17 antigen affinity purified polyclonal antibody (A11587-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for SYT17 at approximately 75 kDa. The expected band size for SYT17 is at 54 kDa.



IF analysis of SYT17 using anti-SYT17 antibody (A11587-1) and anti-Beta Tubulin antibody (M01857-3). SYT17 was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-SYT17 Antibody (A11587-1) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) and Cy3 Conjugated Goat Anti-Mouse IgG (BA1031) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Anti-SYT17 Antibody

For Research Use Only. Not for use in diagnostic procedures.