

Anti-Synaptoporin/SYNPR Antibody Picoband®

Catalog Number: A11201-2

About SYNPR

Synaptoporin is a protein that in humans is encoded by the SYNPR gene. Predicted to be located in neuron projection and synaptic vesicle. Predicted to be integral component of membrane. Predicted to be active in synaptic vesicle membrane. Predicted to be integral component of synaptic vesicle membrane.

Overview

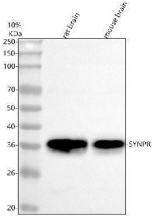
Product Name	Anti-Synaptoporin/SYNPR Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Synaptoporin/SYNPR Antibody Picoband® catalog # A11201-2. Tested in WB, IHC, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates 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, Flow Cytometry, IHC, 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	Q8TBG9

Technical Details

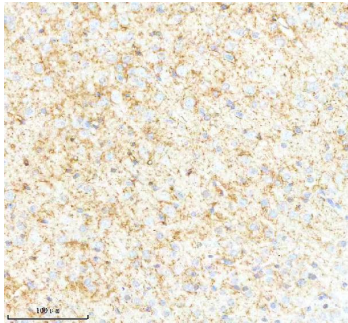
Immunogen	E.coli-derived human Synaptoporin/SYNPR recombinant protein (Position: M1-I265). Human Synaptoporin/SYNPR shares 95.8% and 98.1% amino acid (aa) sequence identity with mouse and rat Synaptoporin/SYNPR, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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, Mouse, Rat

Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Mouse, Rat
Flow Cytometry (Fixed), 1-3 ug/1x10⁶ cells, Human
ELISA, 0.1-0.5 ug/ml, Human

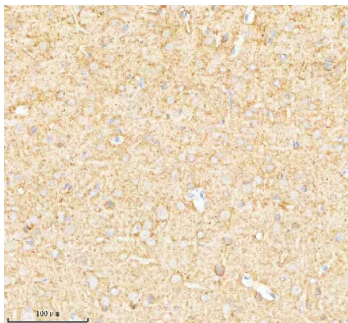
Anti-Synaptoporin/SYNPR Antibody Picoband® (A11201-2) Images



Western blot analysis of Synaptoporin/SYNPR using anti-Synaptoporin/SYNPR antibody (A11201-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue 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-Synaptoporin/SYNPR antigen affinity purified polyclonal antibody (Catalog # A11201-2) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Synaptoporin/SYNPR at approximately 37 kDa. The expected band size for Synaptoporin/SYNPR is at 29 kDa.

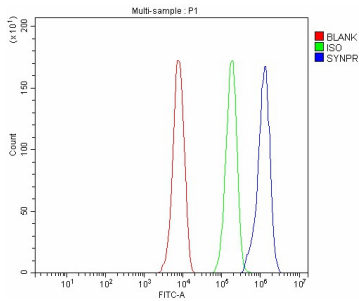


IHC analysis of Synaptoporin/SYNPR using anti-Synaptoporin/SYNPR antibody (A11201-2). Synaptoporin/SYNPR was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Synaptoporin/SYNPR Antibody (A11201-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of Synaptoporin/SYNPR using anti-Synaptoporin/SYNPR antibody (A11201-2). Synaptoporin/SYNPR was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Synaptoporin/SYNPR Antibody (A11201-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Flow Cytometry analysis of HepG2 cells using anti-Synaptoporin/SYNPR antibody (A11201-2). Overlay histogram showing HepG2 cells stained with A11201-2 (Blue



line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Synaptoporin/SYNPR Antibody (A11201-2, 1 ug/1x10⁶ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-Synaptoporin/SYNPR Antibody

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