

Phone: 888-466-3604 Fax: 925-215-2184 Email: [boster@bosterbio.com](mailto:boster@bosterbio.com) Web: [www.bosterbio.com](http://www.bosterbio.com)

# Anti-Synaptophysin Picoband™ Antibody

Catalog Number: PB9409

## Overview

<b>Product Name</b>	Anti-Synaptophysin Picoband™ Antibody
<b>Description</b>	Rabbit IgG polyclonal antibody for Synaptophysin(SYP) detection. Tested with WB in Human;Mouse;Rat.
<b>Cross-Reactivity</b>	No cross reactivity with other proteins.
<b>Tested Applications</b>	WB
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence at the N-terminus of human Synaptophysin(1-26aa MLLADMDVVNQLVAGGQFRVVKEPL), identical to the related mouse and rat sequences.

## Properties

<b>Form</b>	Lyophilized
<b>Reconstitution</b>	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
<b>Storage</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.
<b>Contents</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
<b>Purity</b>	Immunogen affinity purified.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	N/A

## Application Details

Application details contain suggested dilutions. End user should optimize the final working concentrations.

Application	Dilution	Tested Species	Predicted SpeciesAntigen Retrieval
Western blot	0.1-0.5µg/ml	Mouse, Rat	Human

## Protein Target Info For SYP (Source: Uniprot.org)

You can check the tissue specificity below for information on selecting positive and negative control.

<b>Gene Name</b>	SYP
<b>Protein Name</b>	Synaptophysin
<b>Protein Function</b>	Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity (By similarity)..
<b>Tissue Specificity</b>	Characteristic of a type of small (30-80 nm) neurosecretory vesicles, including presynaptic vesicles, but also vesicles of various neuroendocrine cells of both neuronal and epithelial phenotype.
<b>Sequence Similarities</b>	Belongs to the synaptophysin/synaptobrevin family.
<b>Uniprot ID</b>	SYP: P08247

## Anti-Synaptophysin Picoband™ Antibody (PB9409) Images



Anti- Synaptophysin Picoband antibody, PB9409,  
Western blotting  
All lanes: Anti Synaptophysin (PB9409) at  
0.5ug/ml  
Lane 1: Rat Brain Tissue Lysate at 50ug  
Lane 2: Mouse Brain Tissue Lysate at 50ug  
Predicted bind size: 34KD  
Observed bind size: 34KD

## Boster Guarantee

Boster promises replacement or refund for products not performing as described on the datasheet.

Boster promises thorough investigation into any technical inquiries and quality concerns to ensure best product performance.

## General Notes On Antibody Storage

Boster's antibodies come in various formats. Unconjugated antibodies may be stored at -20°C for up to a year without functional compromise. Lyophilized antibodies must be reconstituted before using. Prior to use, after briefly centrifuge the vial at 12,000 x g for 5-10 seconds. This will insure complete recovery of vial contents.

For long term storage, we recommend storing small, single-use aliquots at -20°C or -80°C, preferably in frost-free freezers in locations without any appreciable temperature fluctuation (i.e., the door). If stored this way, Boster's antibodies are functionally guaranteed for up to one year from receipt. Any unfrozen and or unused material can be stored at 4°C for short term use (<1 week) and should not be re-frozen. Please refer to the datasheet for product-specific storage information.

Some Boster's antibodies are supplied in the presence of sodium azide. Low levels (0.02 -0.05% w/v) of sodium azide are used to prevent microbial contamination. A simple buffer exchange column is recommended to anyone who may be using Boster's antibodies to, 1) treat or stain live cells, or 2) perform any primary amine coupling reaction.

All conjugated antibodies should be stored in light-protected vials or covered with a light protecting materials (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 month at 4°C. if longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20 to -80°C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.

If glycerol will not interrupt downstream applications, the addition of glycerol to 50% (volume/volume) is a commonly used cryoprotectant. Store antibodies with glycerol at -20 °C, not -80°C.