

BOSTER BIOLOGICAL TECHNOLOGY

3942 B Valley Ave, Pleasanton, CA 94566

Phone: 888-466-3604 Fax: 925-215-2184 Email: boster@bosterbio.com Web: www.bosterbio.com

Anti-Synaptophysin Picoband™ Antibody

Catalog Number: PB9409

Overview

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

Properties

Form	Lyophilized	
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.	
Storage	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.	
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.	
Purity	Immunogen affinity purified.	
Clonality	Polyclonal	
Isotype	N/A	

Application Details

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

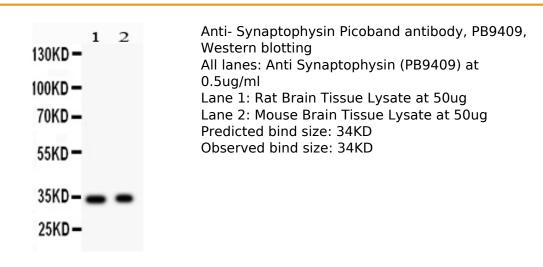
Application	Dilution	Tested Species	Predicted Species Antigen Retrieval
Western blot	0.1-0.5µg/ml	Mouse, Rat	Human

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

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

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

Anti-Synaptophysin Picoband™ Antibody (PB9409) Images



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 $12,000 \times g$ 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 (&st;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.