



Rabbit Anti-VAMP1 antibody

SL1950R

Product Name:	VAMP1
Chinese Name:	VAMP1囊泡相关膜蛋白1抗体
Alias:	Vesicle Associated Membrane Protein 1; DKFZp686H12131; SYB 1; SYB1; Synaptobrevin 1; Synaptobrevin1; Synaptobrevin-1; VAMP 1; VAMP-1; Vesicle associated membrane protein 1; Vesicle associated membrane protein 1 synaptobrevin 1; VAMP1 HUMAN; Vesicle-associated membrane protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=0.2ug/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	13kDa
Cellular localization:	cytoplasmicThe cell membraneMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human VAMP-1:51-118/118<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 癢 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癢. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癢.
PubMed:	PubMed
Product Detail:	Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or

fusion of synaptic vesicles with the presynaptic membrane. VAMP1 is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Multiple alternative splice variants that encode proteins with alternative carboxy ends have been described, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008].

Function:

Involved in the targeting and/or fusion of transport vesicles to their target membrane.

Subunit:

Interacts with VAPA and VAPB.

Subcellular Location:

Isoform 1: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type IV membrane protein. Cell junction, synapse, synaptosome.

Isoform 2: Cytoplasmic vesicle membrane; Single-pass type IV membrane protein. Cell junction, synapse, synaptosome.

Isoform 3: Mitochondrion outer membrane; Single-pass type IV membrane protein.

Tissue Specificity:

Nervous system, skeletal muscle and adipose tissue.

Similarity:

Belongs to the synaptobrevin family.

Contains 1 v-SNARE coiled-coil homology domain.

SWISS:

P23763

Gene ID:

6843

Database links:

[Entrez Gene: 6843](#)Human

[Entrez Gene: 22317](#)Mouse

[Entrez Gene: 25624](#)Rat

[Omim: 185880](#)Human

[SwissProt: P23763](#)Human

[SwissProt: Q62442](#)Mouse

[SwissProt: Q63666](#)Rat

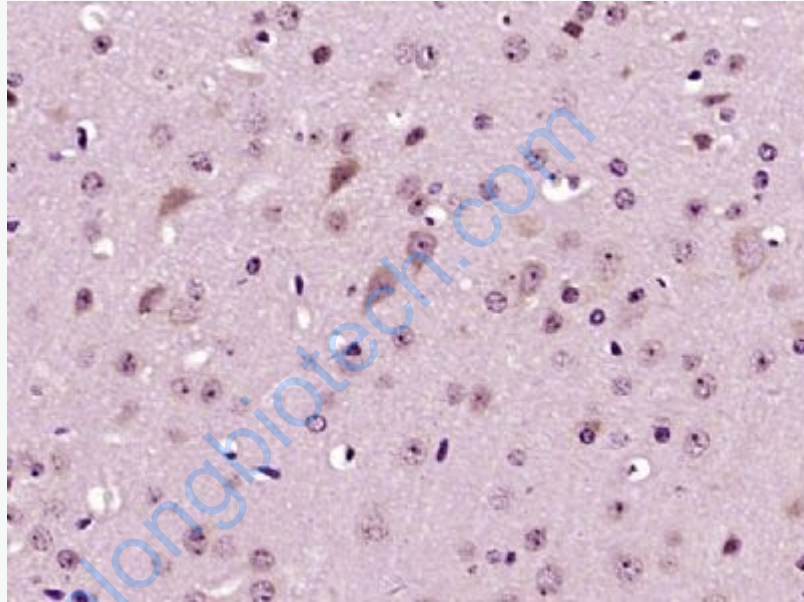
[Unigene: 20021](#)Human

[Unigene: 32321](#)Mouse

[Unigene: 31977](#)Rat

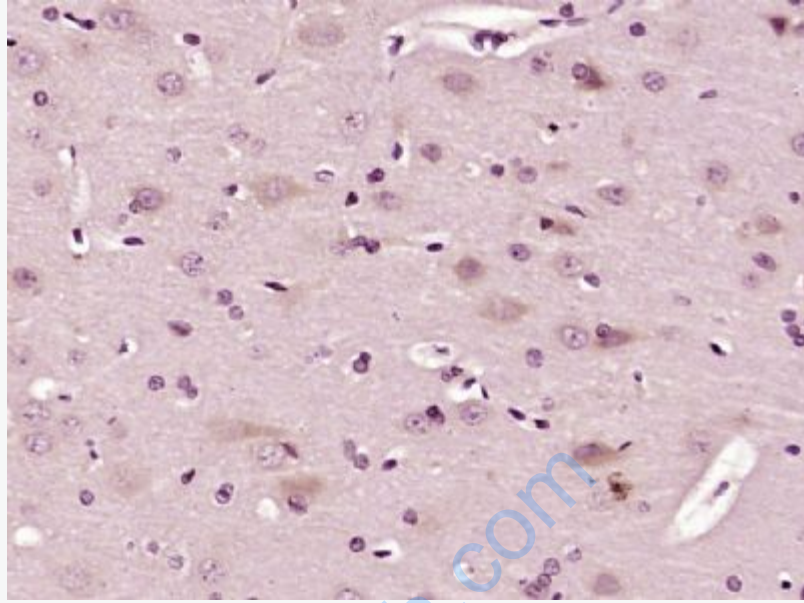
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

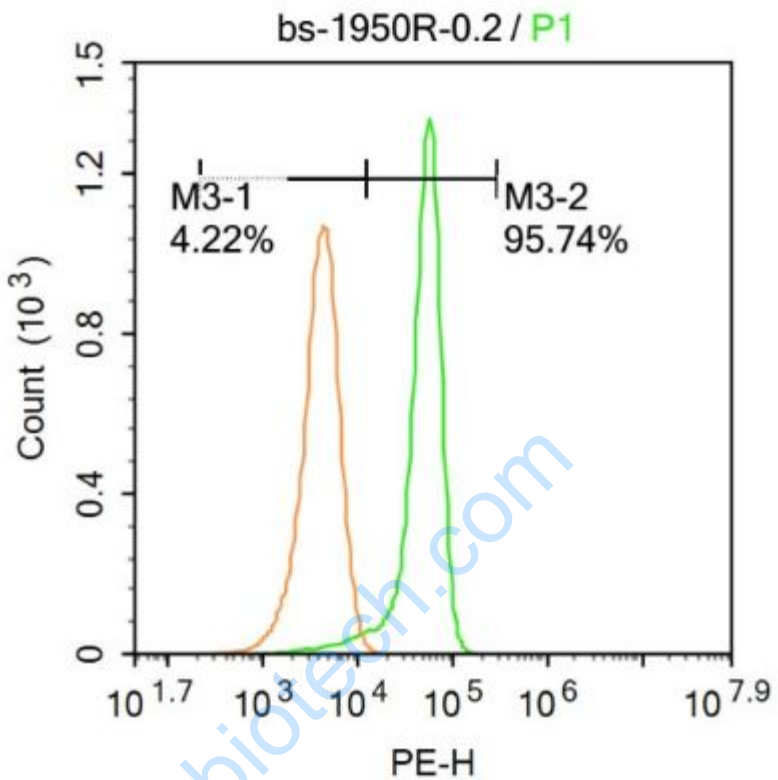


Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VAMP1) Polyclonal Antibody, Unconjugated (SL1950R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VAMP1) Polyclonal Antibody, Unconjugated (SL1950R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: Molt-4.

Primary Antibody (green line): Rabbit Anti-VAMP1 antibody (SL1950R)

Dilution: 0.2 μ g / 10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 0.2 μ g /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.

	<p>The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p>
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