

## Presynaptic Vesicle Antibody Sampler Kit

<b>Catalog# / Size</b>	899909 / 1 kit
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Please refer to individual product datasheets.
<b>Description</b>	The Synaptic Vesicle Antibody Sampler Kit offers flexibility for sampling and detection of proteins involved in glutamate transport, synaptic vesicle membrane fusion, and neurotransmitter release. These antibodies are highly suitable for WB and IHC applications.

### Kit Contents

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Specificity	Format	Clone	Size	Reactivity	Isotype
<a href="#">Anti-VGlut1</a>	Purified	N28/9	25 µl	Human, Mouse, Rat	Mouse IgG1, κ
<a href="#">Anti-Synapsin I/II/III</a>	Purified	A17080A	25 µg	Human, Rat	Mouse IgG2b, κ
<a href="#">Anti-SVOP</a>	Purified	N356/9	25 µl	Mouse, Rat, Human	Mouse IgG2b
<a href="#">Anti-Syntaxin</a>	Purified	SP8	25 µl	Human, Mouse, Rat	Mouse IgG1
<a href="#">Anti-SNAP-25</a>	Purified	SMI 81	25 µg	Human, Mouse, Rat	Mouse IgG1, κ

\* For detailed information about each specificity, please refer to the datasheets of the individual products.

### Product Details

<b>Formulation</b>	Please refer to individual product datasheets of the purified formats for details.
<b>Preparation</b>	All antibodies in this kit were purified by affinity chromatography.
<b>Storage &amp; Handling</b>	Upon receipt, store undiluted at 2-8°C.
<b>Application</b>	<a href="#">WB, IHC-P - Quality tested</a>
<b>Recommended Usage</b>	Each lot of antibodies in this kit is quality control tested by Western blotting. For Western blotting, the suggested uses of these reagents are as follows:  Anti-VGlut1: 1.0 - 10 µg/ml Anti-Synapsin I/II/III: 0.001 - 0.005 µg/ml  For immunohistochemistry on formalin-fixed paraffin-embedded tissue, the suggested uses of these reagents are as follows:  Anti-SVOP: 10 µg/ml Anti-Synapsin I/II/III: 0.1 - 0.5 µg/ml Anti-Syntaxin: 0.5 - 5.0 µg/ml Anti-SNAP-25: 0.1 - 1.0 µg/ml

It is recommended that the reagent be titrated for optimal performance for each application.

#### Application Notes

For verified or reported applications for these antibodies, please see individual product datasheets.

### Antigen Details

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**Biology Area** Cell Biology, Neuroscience, Synaptic Biology

**Molecular Family** Presynaptic proteins

**Gene ID** [116638](#)

[55530](#)

[6853](#)

[6854](#)

[8224](#)

[6616](#)

[6804](#)

### Related Protocols

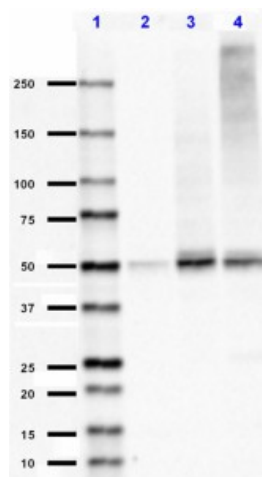
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[Western Blotting Protocol](#)

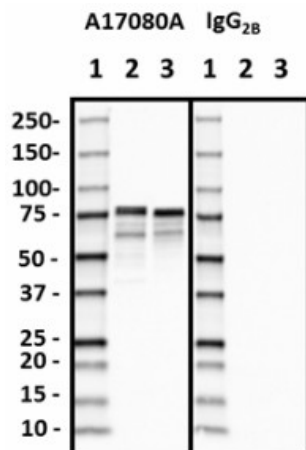
[Immunohistochemistry Protocol for Paraffin-Embedded Sections](#)

### Product Data

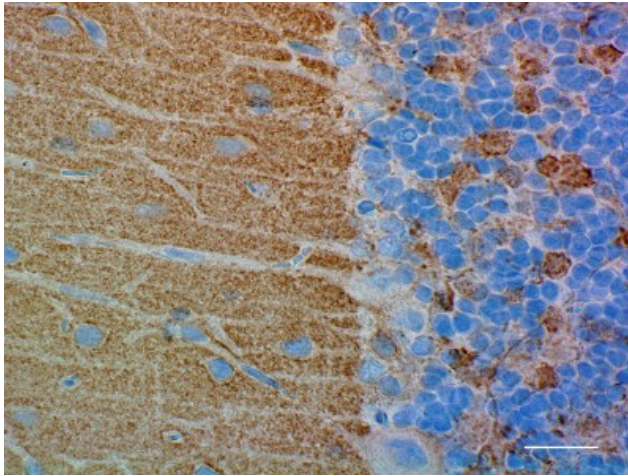
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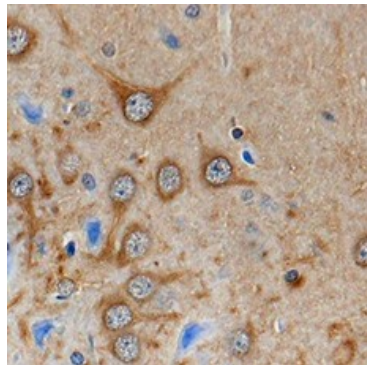
Western blot of purified anti-VGlut1 antibody (clone N28/9). Lane 1: Molecular weight marker; Lane 2: 20  $\mu$ g of human brain membrane lysate; Lane 3: 20  $\mu$ g of mouse brain membrane lysate; Lane 4: 20  $\mu$ g of rat brain membrane lysate. The blot was incubated with 10  $\mu$ g/mL of the primary antibody overnight at 4°C, followed by incubation with HRP labeled goat anti-mouse IgG (Cat. No. 405306). Enhanced chemiluminescence was used as the detection system.



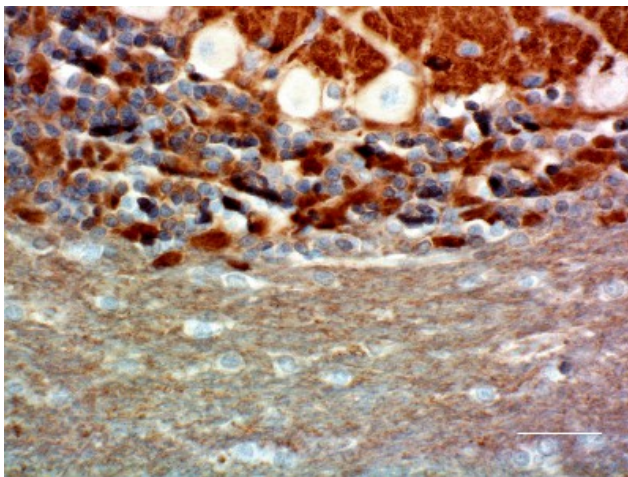
Western blot of purified anti-Synapsin I/II/III antibody (clone A17080A). Lane 1: Molecular weight marker; Lane 2: 20  $\mu$ g of human brain lysate; Lane 3: 20  $\mu$ g of rat brain lysate. The blot was incubated with 0.005  $\mu$ g/mL of the primary antibody overnight at 4°C, followed by incubation with HRP-labeled goat anti-mouse IgG (Cat. No. 405306). Enhanced chemiluminescence was used as the detection system.



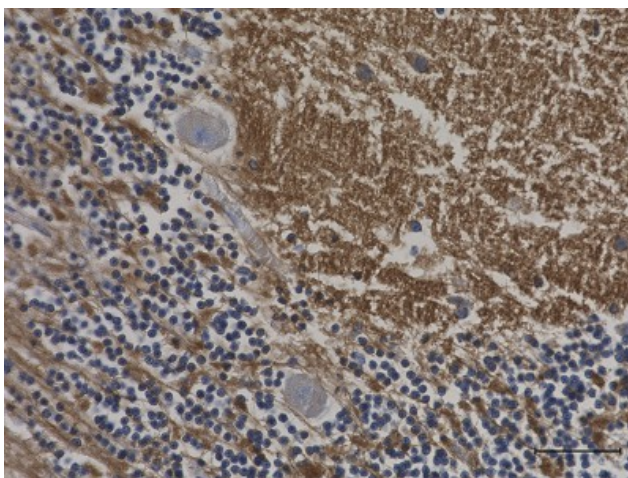
IHC staining of purified anti-Synapsin I/II/III antibody (clone A17080A) on formalin-fixed paraffin-embedded rat cerebellum tissue. Following antigen retrieval using Sodium Citrate H.I.E.R (Cat. No. 928602), the tissue was incubated with 0.1  $\mu\text{g}/\text{mL}$  of the primary antibody overnight at 4°C. BioLegend's Ultra Streptavidin (USA) HRP Detection Kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale Bar: 50  $\mu\text{m}$



IHC staining of purified anti-SVOP antibody (clone N356/9) on formalin-fixed paraffin-embedded rat brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R (Cat. No. 928602), the tissue was incubated with 10  $\mu\text{g}/\text{ml}$  of the primary antibody overnight at 4°C. BioLegend's Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective



IHC staining of purified anti-Syntaxin antibody (clone SP8) on formalin-fixed paraffin-embedded mouse cerebellum tissue. Following antigen retrieval using Sodium Citrate H.I.E.R (Cat. No. 928602), the tissue was incubated with 0.5  $\mu\text{g}/\text{ml}$  of the primary antibody overnight at 4°C. BioLegend's Ultra Streptavidin (USA) HRP Detection Kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale Bar: 50  $\mu\text{m}$



IHC staining of purified anti-SNAP-25 antibody (clone SMI 81) on formalin-fixed paraffin-embedded human brain tissue. Following antigen retrieval using Retrieve-All Antigen Unmasking System 3: Acidic, 1X (Cat. No. 927701), the tissue was incubated with 1  $\mu\text{g}/\text{ml}$  of the primary antibody for 60 minutes at room temperature. BioLegend's Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50  $\mu\text{m}$

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