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**Product Name: VAMP2 Rabbit Polyclonal Antibody****Catalog #: APRab00172**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,FC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200,FC 1:50-1:100,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 13 kDa; Observed MW: 16 kDa

**Antigen Information**

<b>Gene Name</b>	VAMP2
<b>Alternative Names</b>	vesicle-associated membrane protein 2 (synaptobrevin 2); SYB2; VAMP-2
<b>Gene ID</b>	6844
<b>SwissProt ID</b>	P63027
<b>Immunogen</b>	A synthetic peptide of human VAMP2

**Background**

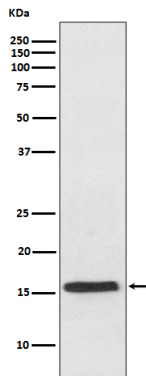
The SNARE complex is involved in vesicular transport and membrane fusion, a process regulated by calcium. In neurons, VAMP2 is predominantly inserted in presynaptic vesicle membranes. Assembly of VAMP2 with the plasma membrane SNAREs

syntaxin 1 and SNAP25 is a key event necessary for membrane fusion and neurotransmitter release.

## Research Area

Signal Transduction

## Image Data



Western blot analysis of VAMP2 in mouse brain lysates using VAMP2 antibody.