

Product Name: VAMP2 Rabbit Monoclonal antibody**Catalog #: AMRe02751**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, ICC/IF, IP
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.22mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

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

Antigen Information

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

Background

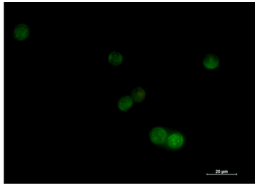
The SNARE complex is involved in vesicular transport and membrane fusion, a process regulated by calcium. In neurons, VAMP2 is predominantly inserted in presynaptic vesicle membranes. Assembly of VAMP2 with the plasma membrane SNAREs

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

Research Area

Signal Transduction

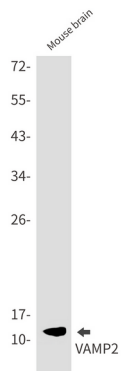
Image Data



Immunocytochemistry analysis of VAMP2 (green) in Jurkat using VAMP2 antibody, and DAPI (blue).



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



Western blot analysis of VAMP2 in rat Brain lysates using VAMP2 antibody

