

Product Name: VAMP2 Rabbit Monoclonal antibody
Catalog #: AMRe02751



Summary

Production Name	VAMP2 Rabbit Monoclonal antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB, ICC/IF, IP
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	VAMP2
Alternative Names	vesicle-associated membrane protein 2 (synaptobrevin 2); SYB2; VAMP-2
Gene ID	6844
SwissProt ID	P63027.

Application

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

Background

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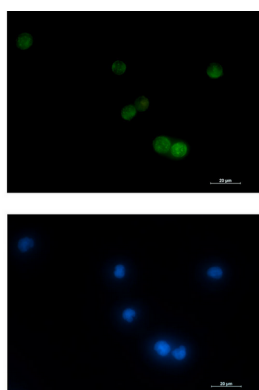


The SNARE complex is involved in vesicular transport and membrane fusion, a process regulated by calcium. In neurons, VAMP2 is predominantly inserted in presynaptic vesicle membranes. Assembly of VAMP2 with the plasma membrane SNAREs syntaxin 1 and SNAP25 is a key event necessary for membrane fusion and neurotransmitter release.

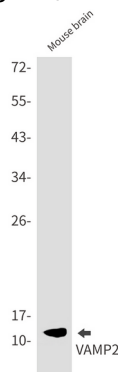
Research Area

Signal Transduction

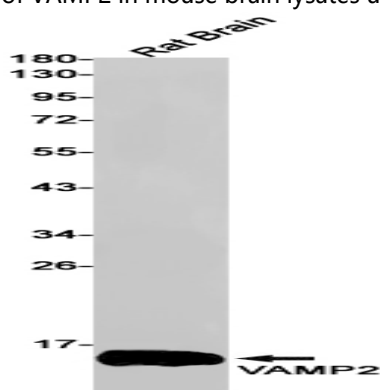
Image Data



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

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Note

For research use only.