

产品名称: VAMP2 (3Z10) Rabbit Monoclonal Antibody
产品货号: AMRe19704



产品概述 (Summary)

产品名称 (Production Name)	VAMP2 (3Z10) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, FC, IP
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	VAMP2
别名 (Alternative Names)	RATVAMPB; RATVAMPIR; SYB2; Synaptobrevin 2; Vamp2l; Vesicle-associated membrane protein 2 (synaptobrevin 2);
基因 ID (Gene ID)	6844.0
蛋白 ID (SwissProt ID)	P63027.A synthetic peptide of human VAMP2

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:10000, ICC/IF 1:20-1:50, FC 1:20-1:50, IP 1:20-1:50
蛋白分子量 (Molecular Weight)	13kDa

研究背景 (Background)

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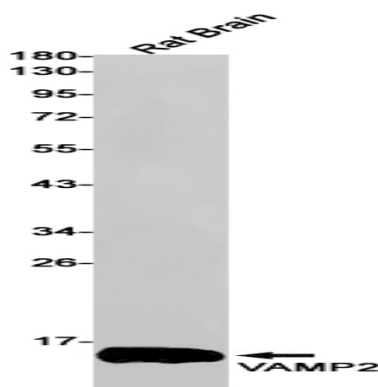


The SNARE complex is involved in vesicular transport and membrane fusion, a process regulated by calcium. In neurons, VAMP2 is predominantly inserted in presynaptic vesicle membranes. Assembly of VAMP2 with the plasma membrane SNAREs syntaxin 1 and SNAP25 is a key event necessary for membrane fusion and neurotransmitter release. Involved in the targeting and/or fusion of transport vesicles to their target membrane (By similarity). Major SNARE protein of synaptic vesicles which mediates fusion of synaptic vesicles to release neurotransmitters. Essential for fast vesicular exocytosis and activity-dependent neurotransmitter release as well as fast endocytosis that mediates rapid reuse of synaptic vesicles (By similarity) (PubMed: [30929742](http://www.uniprot.org/citations/30929742)). Modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1.

研究领域 (Research Area)

Signal Transduction

图片 (Image Data)



Western blot detection of VAMP2 in Rat Brain lysates using VAMP2 antibody(1:1000 diluted).

注意事项 (Note)

For research use only .