

Rabbit VAMP2 Antibody | anti-VAMP2 antibody

VAMP2 Antibody

CATALOG # AAA266580	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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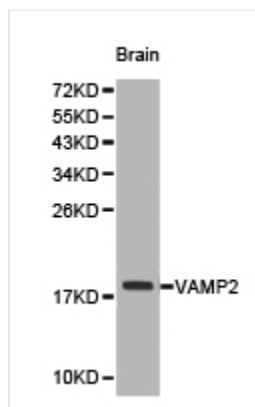
PRODUCT SYNONYMS

VAMP2; VAMP2 Antibody; FLJ11460; SYB2; VAMP-2; anti-VAMP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	116
Applicable Applications for anti-VAMP2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human VAMP2
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20°C or -80°C. Avoid freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western blot analysis of brain cell lysate using VAMP2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-VAMP2 antibody	Vesicle-associated membrane protein 2 (VAMP2, also called synaptobrevin) is part of the R-soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) complex (1). The SNARE complex is involved in vesicular transport and membrane fusion, a process regulated by calcium (2). 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 (2). In addition to this important function, VAMP2 is also involved in granule exocytosis in neutrophils (3) and release of bioactive peptides from cardiac myocytes (4) and juxtaglomerular cells (5).
Product Categories/Family for anti-VAMP2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	1. Baumert, M. et al. (1989) EMBO J 8, 379-84. 2. Sudhof, T.C. (2004) Annu Rev Neurosci 27, 509-47. 3. Mollinedo, F. et al. (2003) J Immunol 170, 1034-42. 4. Ferlito, M. et al. (2010) J Mol Cell Cardiol 49, 791-800. 5. Mendez, M. et al. (2011) J Biol Chem 286, 28608-18.

NCBI AND UNIPROT INFORMATION

NCBI GI #	172072620
NCBI GeneID	6844
NCBI Accession #	NP_055047.2
NCBI GenBank Nucleotide #	NM_014232.2
UniProt Accession #	P63027; P19065; Q9BUC2
Molecular Weight	18kDa
NCBI Official Full Name	vesicle-associated membrane protein 2 isoform 1
NCBI Official Synonym Full Names	vesicle associated membrane protein 2
NCBI Official Symbol	VAMP2
NCBI Official Synonym Symbols	SYB2; VAMP-2
NCBI Protein Information	vesicle-associated membrane protein 2
UniProt Protein Name	Vesicle-associated membrane protein 2
UniProt Gene Name	VAMP2
UniProt Synonym Gene Names	SYB2; VAMP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.