

Mouse anti-Human VAMP-2 Monoclonal Antibody | anti-VAMP-2 antibody

VAMP-2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48351	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

VAMP-2; Monoclonal Antibody; vesicle-associated membrane protein 2; VAMP2; SYB2; Synaptobrevin 2; Synaptobrevin-2; Vesicle-associated membrane protein 2; vesicle-associated membrane protein 2 FLJ11460; RATVAMPB; RATVAMPIR; SYB; VAMP 2; Vesicle associated membrane protein 2; Vesicle-associatedmembrane protein 2 (synaptobrevin 2); anti-VAMP-2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	3E5
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	116
Applicable Applications for anti-VAMP-2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Synaptobrevin 2 (1-89aa) purified from E. coli
Conjugation	Unconjugated
Note	This product was produced from tissue culture supernatant.
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human VAMP-2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant human VAMP1 protein Lane 2.: Recombinant human VAMP2 protein Lane 3.: Recombinant human VAMP3 protein



ICC (Immunocytochemistry)

ICC/IF analysis of VAMP-2 in U87MG cells. The cell was stained (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-VAMP-2 antibody	Synaptobrevin 2 (Vesicle-associated membrane, VAMP2), which is an 18 kDa integral membrane protein localized to the cytoplasmic surface of synaptic vesicle, consists of a proline-rich N-terminal region, a highly conserved hydrophilic domain, followed by a transmembrane anchor and a C-terminal tail. Synaptobrevin 2 is predominantly expressed in Langerhans islets and glomerular cells. The N-terminal domain of the protein forms a specific SNARE complex with the target membrane-associated t- or Q-SNAREs syntaxin 1 and SNAP-25. This antibody recognizes specifically synaptobrevin 2, but it also shows a low affinity to synaptobrevin1.
Product Categories/Family for anti-VAMP-2 antibody	Cancer; Metabolism; Neuroscience; Signal Transduction
References	Andres C et al.,(1995) Proc Natl Acad Sci USA 92:5987-5991.; Jacobsson G et al.,(1998) European Journal of Neuroscience 16:301-316.; Scales SJ. et al (2002) J Biol. Chem. 227(31):28271-28279.; Pennuto M et al., (2003) Mol Biol Cell. 14:4909-19.

NCBI AND UNIPROT INFORMATION

NCBI GI #	172072620
NCBI GeneID	6844
NCBI Accession #	NP_055047
NCBI GenBank Nucleotide #	NP_055047.2
UniProt Accession #	P63027
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; NEDHAHM
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
UniProt Entry Name	VAMP2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vamp-2-antibody-clone-3e5-immunofluorescence-immunocytochemistry-western-blot-elisa/48351>