

VAMP2 / VAMP-2 Antibody (aa1-66)
Rabbit Polyclonal Antibody
Catalog # ALS17042**Specification**

VAMP2 / VAMP-2 Antibody (aa1-66) - Product Information

Application	IHC, WB
Primary Accession	P63027
Other Accession	6844
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	12663

VAMP2 / VAMP-2 Antibody (aa1-66) - Additional Information**Gene ID** 6844**Other Names**

VAMP2, SYB2, Synaptobrevin 2, VAMP-2, Synaptobrevin-2

Target/Specificity

Human VAMP2 / VAMP-2

Reconstitution & Storage

0.1 M Tris-glycine, pH 7, 20% Glycerol, 0.01% Thimerosal. Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions

VAMP2 / VAMP-2 Antibody (aa1-66) is for research use only and not for use in diagnostic or therapeutic procedures.

VAMP2 / VAMP-2 Antibody (aa1-66) - Protein Information**Name** VAMP2 ([HGNC:12643](#))**Synonyms** SYB2**Function**

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). Modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1.

Cellular Location

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type IV membrane protein. Cell membrane {ECO:0000250|UniProtKB:P63045}. Note=Colocalizes with PRKCZ and WDFY2 in intracellular vesicles (PubMed:17313651)

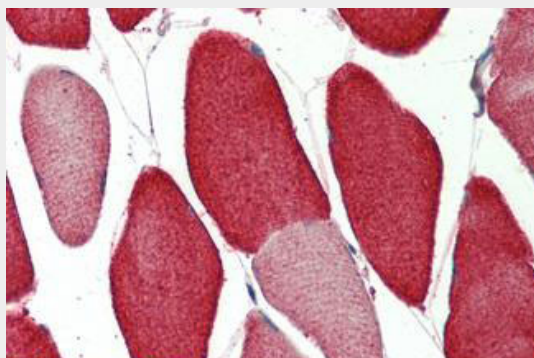
Tissue Location

Nervous system and skeletal muscle.

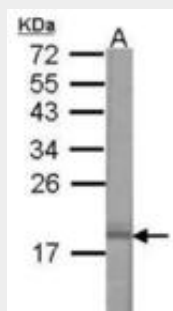
VAMP2 / VAMP-2 Antibody (aa1-66) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VAMP2 / VAMP-2 Antibody (aa1-66) - Images

Human Skeletal Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)



Anti-VAMP2 antibody used in Western blot at 1:90000 dilution to detect 100ng of 19kDa...

VAMP2 / VAMP-2 Antibody (aa1-66) - Background

Involved in the targeting and/or fusion of transport vesicles to their target membrane.

VAMP2 / VAMP-2 Antibody (aa1-66) - References

Archer B.T. III, et al. J. Biol. Chem. 265:17267-17273(1990).
Nabokina S.M., et al. Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
Taruscio D., et al. Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.