

VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5)
Mouse Monoclonal Antibody
Catalog # ALS12552**Specification**

VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5) - Product Information

Application	IHC
Primary Accession	P63027
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	13kDa KDa

VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5) - Additional Information**Gene ID** 6844**Other Names**

Vesicle-associated membrane protein 2, VAMP-2, Synaptobrevin-2, VAMP2, SYB2

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5) is for research use only and not for use in diagnostic or therapeutic procedures.

VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5) - 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

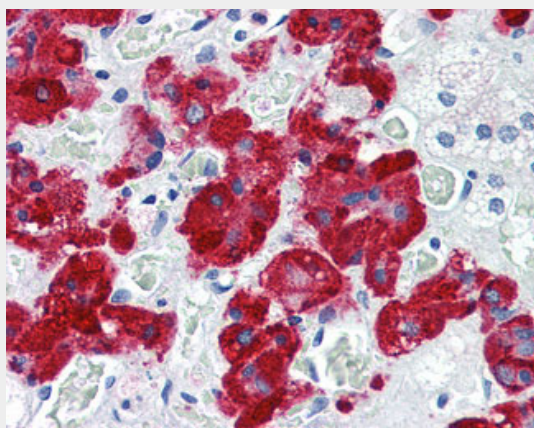
Nervous system and skeletal muscle.

VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5) - Protocols

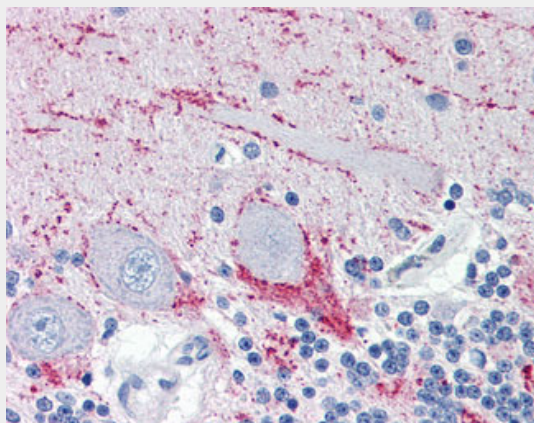
Provided below are standard protocols that you may find useful for product applications.

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

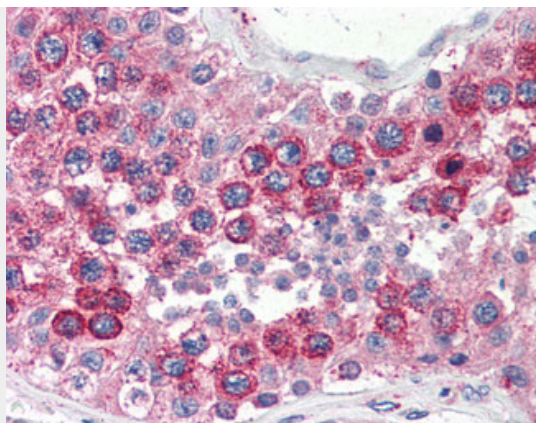
VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5) - Images



Anti-VAMP2 antibody IHC of human adrenal.



Anti-VAMP2 antibody IHC of human brain, cerebellum.



Anti-VAMP2 antibody IHC of human testis.

VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5) - Background

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

VAMP2 / VAMP-2 Antibody (aa1-89, clone 3E5) - 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.