

# Vamp1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI14406

## Product Information

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|--------------------------|---------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                        |
| <b>Primary Accession</b> | <a href="#">Q63666</a>                                                    |
| <b>Other Accession</b>   | <a href="#">NM_013090</a> , <a href="#">NP_037222</a>                     |
| <b>Reactivity</b>        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| <b>Predicted</b>         | Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Guinea Pig, Horse, Bovine  |
| <b>Host</b>              | Rabbit                                                                    |
| <b>Clonality</b>         | Polyclonal                                                                |
| <b>Calculated MW</b>     | 12797                                                                     |

## Additional Information

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| <b>Gene ID</b>                      | 25624                                                                                                                                                                                          |
| <b>Alias Symbol</b>                 | Syb1                                                                                                                                                                                           |
| <b>Other Names</b>                  | Vesicle-associated membrane protein 1, VAMP-1, Synaptobrevin-1, Vamp1, Syb1                                                                                                                    |
| <b>Format</b>                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                              |
| <b>Reconstitution &amp; Storage</b> | Add 50 ul of distilled water. Final anti-Vamp1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| <b>Precautions</b>                  | Vamp1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                               |

## Protein Information

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| <b>Name</b>              | Vamp1                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>          | Syb1                                                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>          | Involved in the targeting and/or fusion of transport vesicles to their target membrane.                                                                                                                                                                                                                                                                             |
| <b>Cellular Location</b> | [Isoform 1]: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type IV membrane protein. Synapse, synaptosome [Isoform 3]: Mitochondrion outer membrane; Single-pass type IV membrane protein. Note=Isoforms 2 and 3 are found in perinuclear as well as peripheral punctate structures in osteoblasts. {ECO:0000250 UniProtKB:P23763} |

## Tissue Location

Expressed in brain and spleen (at protein level). Isoform 1 expressed at very high level in brain. Even higher level found in spinal cord. Isoform 3 expressed in kidney, spleen and liver Isoforms 2 and 3 expressed in osteoblasts of trabecular bone. Also expressed in heart.

## References

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Elferink L.A.,et al.J. Biol. Chem. 264:11061-11064(1989).

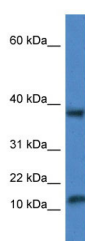
Mandic R.,et al.Gene 199:173-179(1997).

Prele C.M.,et al.Exp. Cell Res. 282:24-34(2003).

Friedland D.R.,et al.Submitted (JUN-2007) to the EMBL/GenBank/DDBJ databases.

## Images

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WB Suggested Anti-Vamp1 Antibody Titration: 1.0 µg/ml  
Positive Control: Rat Lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.