



## VAMP2 Polyclonal Antibody

E91249

- Catalog Number:** E91249
- Amount:** 100ul
- Background:** 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).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** VAMP2;FLJ11460;SYB2;VAMP-2 ;
- Immunogen:** Recombinant protein of human VAMP2
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 18kDa
- Swiss-Prot No. :** P63027
- Gene ID:** 6844
- 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.

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