

## Product Datasheet

# VAMP2 Antibody

Catalog No: CY6769

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB ICC/IF IP FC



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### Information

**UniProt ID:** P63027

**All Names:** RATVAMPB; RATVAMPIR; SYB2; Synaptobrevin 2; Vamp2l; Vesicle-associated membrane protein 2 (synaptobrevin 2);

**Form:** Liquid

**Storage instructions:** Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 16 kDa

### Application

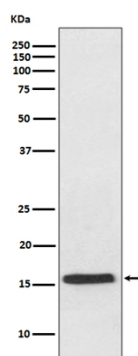
WB 1:1000~1:5000

ICC/IF 1:50~1:200

IP 1:50 FC 1:50

### Background

The SNARE complex is involved in vesicular transport and membrane fusion, a process regulated by calcium. 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. In addition to this important function, VAMP2 is also involved in granule exocytosis in neutrophils and release of bioactive peptides from cardiac myocytes and juxtaglomerular cells.



Western blot analysis of VAMP2 expression in mouse brain lysate.

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