

## Product datasheet for **TA351910S**

### VAMP2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A172, Jurkat and Hela cells, Mouse brain and Human fetal brain tissue IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human VAMP2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	13 kDa
Gene Name:	vesicle associated membrane protein 2
Database Link:	<a href="#">NP_055047</a> <a href="#">Entrez Gene 6844 Human P63027</a>



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**Background:**

The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. This gene is thought to participate in neurotransmitter release at a step between docking and fusion. The protein forms a stable complex with syntaxin, synaptosomal-associated protein, 25 kD, and synaptotagmin. It also forms a distinct complex with synaptophysin. It is a likely candidate gene for familial infantile myasthenia (FIMG) because of its map location and because it encodes a synaptic vesicle protein of the type that has been implicated in the pathogenesis of FIMG.

**Synonyms:**

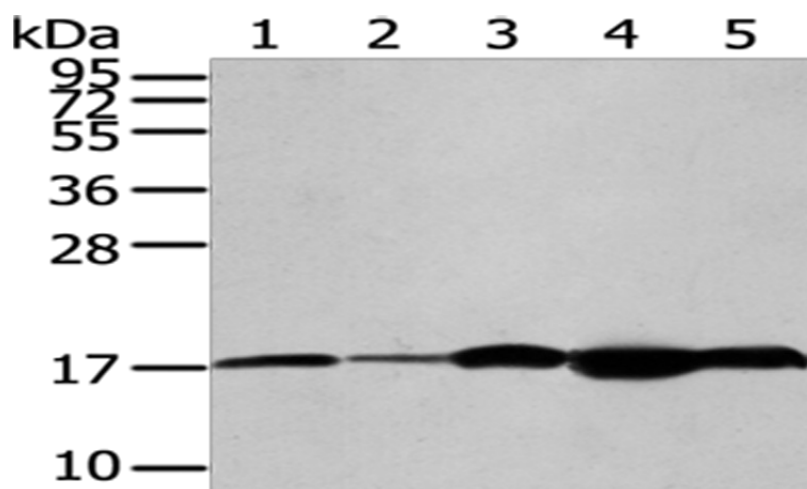
SYB2; VAMP-2

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

SNARE interactions in vesicular transport

**Product images:**

Gel: 12%SDS-PAGE

Lysate: 40 µg

Lane 1-5: A172 cells

Jurkat cells

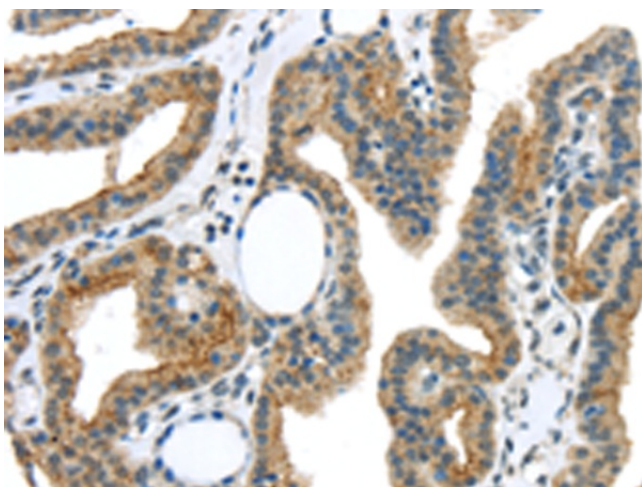
HeLa cells

Mouse brain tissue

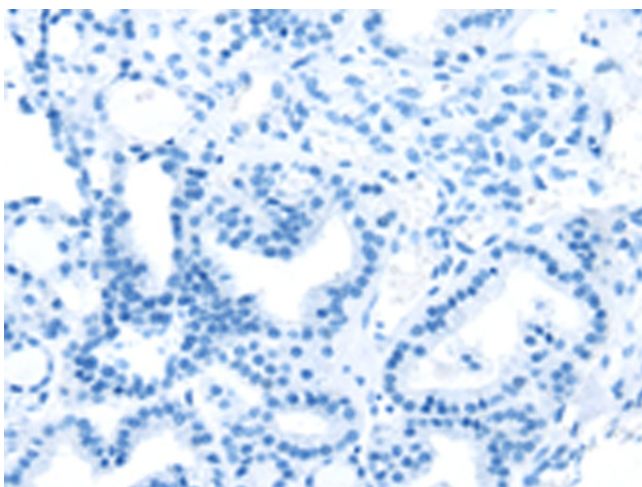
Human fetal brain tissue

Primary antibody: [TA351910] (VAMP2 Antibody)  
at dilution 1/200Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

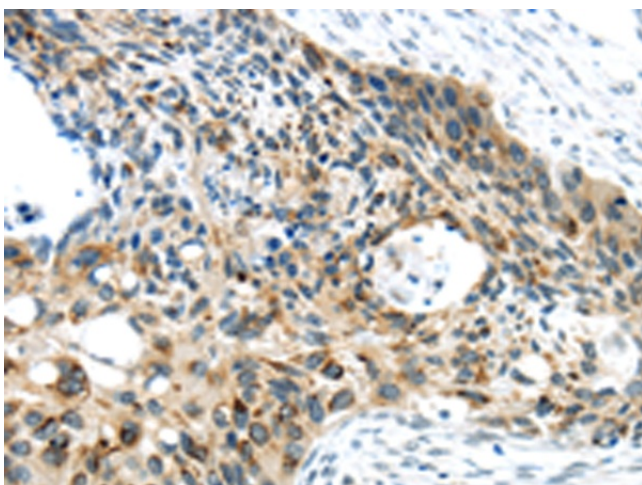
Exposure time: 30 seconds



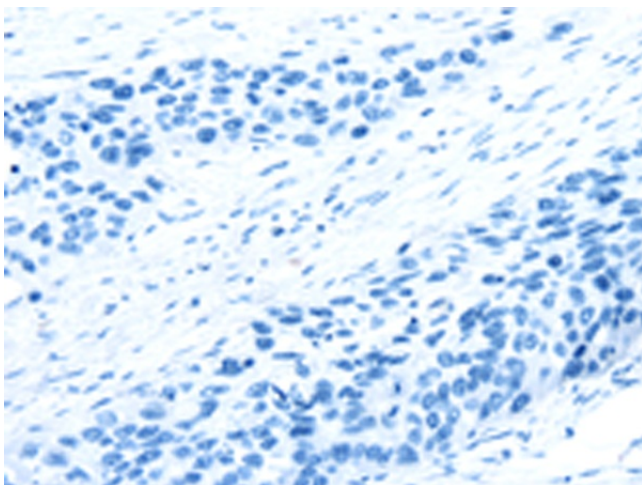
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA351910] (VAMP2 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA351910] (VAMP2 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA351910] (VAMP2 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA351910] (VAMP2 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)