

## VAMP2 RABBIT PAB

**Cat.#:** S221100

**Product Name:** Anti-VAMP2 Rabbit Polyclonal Antibody

**Synonyms:** SYB2; VAMP-2; NEDHAHM

**UNIPROT ID:** P63027 (Gene Accession - NP\_055047)

**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.

**Immunogen:** Synthetic peptide of human VAMP2

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 1000-5000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

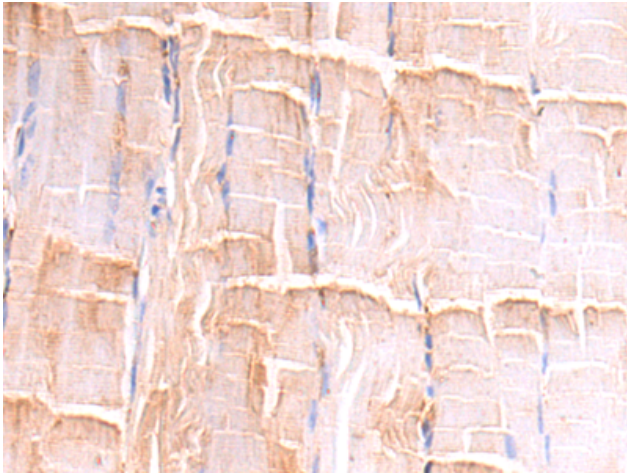
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

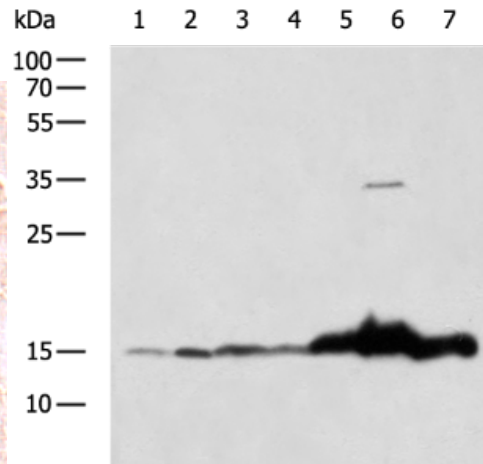
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Cancer, Metabolism, Neuroscience

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle tissue using 221100(VAMP2 Antibody) at a dilution of 1/50(Cytoplasm).



Gel: 12%SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane 1-7: NIH/3T3 cell, Mouse heart tissue,  
Jurkat, A172, Hela, Mouse brain tissue,  
RAW264.7 cell lysates;  
Primary antibody: 221100(VAMP2 Antibody) at  
dilution 1/1000;  
Secondary antibody: HRP-conjugated Goat  
anti rabbit IgG at 1/5000 dilution;  
Exposure time: 20 seconds