

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

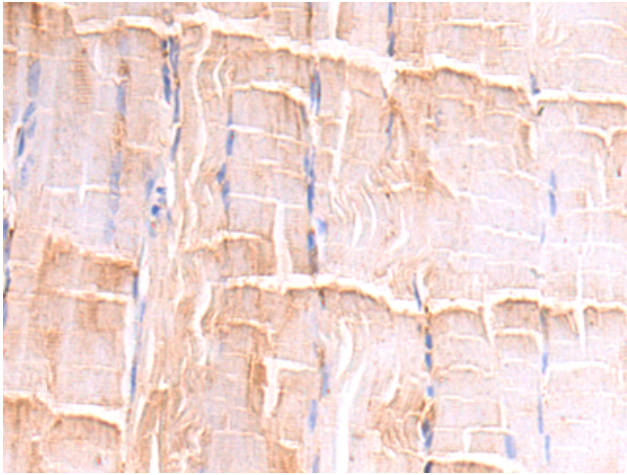
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

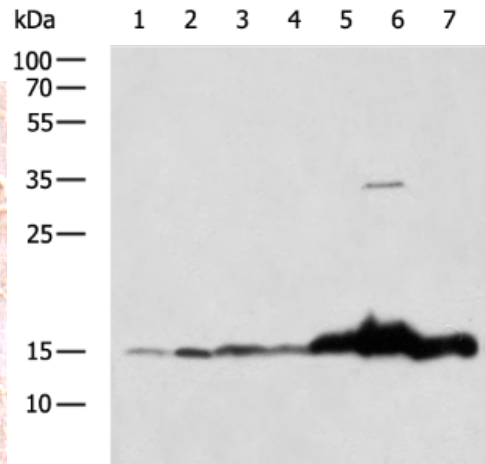
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

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 μ 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