

Synaptobrevin antibody [SP10]

Cat. No. GTX44735

宿主	Mouse
克隆	Monoclonal
同种型	IgM
实验应用	WB, ICC/IF, ELISA
种属反应	Human, Pig

实验应用

应用说明

Recommended dilutions: ELISA: 1/5000. ICC: 1/1000. WB: 1/1000. Predicted molecular weight: 13 kDa. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

属性

形式	Liquid
存储溶液	Ascites
保存剂	No preservatives
存放说明	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
浓度	3 mg/ml (Please refer to the vial label for the specific concentration.)
偶联	Unconjugated
注意事项	仅供实验室使用。不适用于人类或动物的任何临床、治疗或诊断用途。不适合动物或人类食用。

Target Info

Vesicle-associated membrane protein (VAMP), also known as synaptobrevin, is an 18kD integral membrane protein localized to the cytoplasmic surface of synaptic vesicle. VAMP consists of a proline-rich amino-terminal region, a highly conserved hydrophilic domain, followed by a transmembrane anchor and a carboxyl-terminal tail. Two VAMP homologs, VAMP1 and VAMP2, are differentially expressed in the nervous system. VAMP1 expression is localized to neurons involved in modulating overlapping patterns, whereas VAMP2 is found in neurons associated with autonomic, sensory and integrative functions. In non-neuronal tissues, VAMP1 is restricted to pancreas and kidney tubular cells, whereas VAMP2 is predominantly expressed in Langerhans islets and glomerular cells. Evidences for VAMP's involvement in vesicular transport and neurotransmission include the requirement of its yeast homologs, SNC 1 and 2, in targeting and fusion of Golgi-derived vesicles with the plasma membrane. VAMP is also the target of clostridial neurotoxins that block neurotransmitter release from presynaptic terminals. VAMP is a component of a 20S complex implicated in vesicle docking and fusion. The formation of 20S complex involves the interaction of VAMP with syntaxin through an ATP-dependent reaction modulated by synaptotagmin, SNAP-25, alpha-SNAP, and NSF.



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