囊泡相关膜蛋白 2 抗体

产品货号： mlR1951

英文名称： VAMP2

中文名称： 囊泡相关膜蛋白 2 抗体

别　　名： Vesicle Associated Membrane Protein 2; FLJ11460; RATVAMPB; RATVAMPIR; SYB; SYB2; Synaptobrevin 2; VAMP 2; VAMP-2; Vesicle associated membrane protein 2; Vesicle-associated membrane protein 2; VAMP2_HUMAN; Synaptobrevin-2.

研究领域： 肿瘤　神经生物学　信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应　： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep, Guinea Pig,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 13kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human VAMP-2:76-116/116

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： 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. [provided by RefSeq, Jul 2008].

Function:

Involved in the targeting and/or fusion of transport vesicles to their target membrane.

Subunit:

Part of the SNARE core complex containing SNAP25, VAMP2 and STX1A. This complex binds to CPLX1. Interacts with BVES and STX4. Interacts with VAPA and VAPB.

Subcellular Location:

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type IV membrane protein. Cell junction, synapse, synaptosome. Note=Neuronal synaptic vesicles.

Tissue Specificity:

Nervous system and skeletal muscle.

Similarity:

Belongs to the synaptobrevin family.

Contains 1 v-SNARE coiled-coil homology domain.

SWISS:

P63027

Gene ID:

63027

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

VAMP-2 是真核生物中的一种膜受体蛋白,该蛋白在真核生物的胞吐、信号传导、胞内运输和分泌等活动中起到重要作用.