



# 磷酸肌醇磷酸酶蛋白 INPP5G 抗体

产品货号 : mlR11376

英文名称 : Synaptojanin

中文名称 : 磷酸肌醇磷酸酶蛋白 INPP5G 抗体

别名 : 5-trisphosphate 5-phosphatase 1; Inositol 5' phosphatase; INPP 5G; INPP5G; KIAA0910; Polyphosphoinositide phosphatase; Synaptic inositol 1 4 5 trisphosphate 5 phosphatase 1; Synaptic inositol 145 trisphosphate 5 phosphatase 1; Synaptic inositol-1 antibody Synaptic inositol-145-trisphosphate 5-phosphatase 1; Synaptojanin 1; Synaptojanin 1 polyphosphoinositide phosphatase; Synaptojanin-1; Synaptojanin1; Synj 1; Synj1; SYNJ1\_HUMAN.

研究领域 : 细胞生物 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, Sheep,

产品应用 : ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 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 : 173kDa

细胞定位 : 细胞浆

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml



**免 疫 原** : KLH conjugated synthetic peptide derived from human Synaptojanin/INPP5G:481-580/1573

**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 inositol polyphosphate 5-phosphatases selectively remove the phosphate from the 5-position of various phosphatidylinositol, which generate second messengers in response to extracellular signals. Synaptojanins are characterized by an N-terminal SAC1-like sequence, a central 5-phosphate domain, and a unique C-terminal sequence and have been shown to use phosphatidylinositol 4,5-bisphosphate as a substrate. Synaptojanins exist as two isoforms, synaptojanin 1 and 2, which differ in the C-terminal domain, and each isoform has multiple variants produced by alternative splicing. Synaptojanin 1 is expressed as two major forms: the shorter is found in brain while the longer is expressed in peripheral tissues. Eight splice variants of synaptojanin 2 have been detected, including a brain specific isoform. Synaptojanins are thought to participate in the endocytosis of synaptic vesicles and the regulation of the actin cytoskeleton.

**Function:**

Inositol 5-phosphatase which has a role in clathrin-mediated endocytosis.

**Subunit:**

Interacts with ASH/GRB2. Interacts with PACSIN1, PACSIN2 and PACSIN3 (By similarity). Binds AMPH, SH3GL1, SH3GL2 and SH3GL3. Interacts with MYO1E (via SH3 domain).

**Subcellular Location:**



Cytoplasm.

**Tissue Specificity:**

Concentrated at clathrin-coated endocytic intermediates in nerve terminals. Isoform 1 is more enriched than isoform 2 in developing brain as well as non-neuronal cells. Isoform 2 is very abundant in nerve terminals.

**Similarity:**

Belongs to the synaptosomal-associated protein 25kDa family.

In the central section; belongs to the inositol-1,4,5-trisphosphate 5-phosphatase family.

Contains 1 RRM (RNA recognition motif) domain.

Contains 1 SAC domain.

**SWISS:**

O43426

**Gene ID:**

8867

**Important Note:**

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

产品图片

