含脯氨酸突触相关蛋白相互作用蛋白 1 抗体

产品货号： mlR11198

英文名称： ProSAPiP1

中文名称： 含脯氨酸突触相关蛋白相互作用蛋白 1 抗体

别　名： KIAA0552; PRIP1_HUMAN; Proline rich synapse associated protein interacting protein 1; ProSAP-interacting protein 1; ProSAPiP1; ProSAPiP1 protein.

研究领域： 神经生物学　细胞粘附分子　细胞膜蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用　： WB=1:500-2000　ELISA=1:500-1000　IHC-P=1:400-800　IHC-F=1:400-800　Flow-Cyt=1μg/Test　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： 72kDa

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 ProSAPiP1 :151-250/673

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 ProSAP family of proteins contain many protein-protein interaction domains and serve as scaffolding mediators within the post-synaptic density (PSD) of excitatory brain synapses. The PSD is an electron-dense structure underneath the post-synaptic plasma membrane of excitatory synapses that anchors and clusters glutamate receptors opposite to the pre-synaptic neurotransmitter release site. Shank proteins contain PDZ modular domains that coordinate the synaptic localization of ion channels, receptors, signaling enzymes, and cell adhesion molecules. The PDZ domain mediates protein-protein interactions via the recognition of a conserved sequence motif at the C-terminus of their target protein(s). ProSAPiP1 (proline rich synapse associated protein interacting protein 1) is a 673 amino acid protein that interacts with the PDZ domain of Shank 3. ProSAPiP1 expression is brain-specific with highest expression within the cerebellum, hippocampus and cerebral cortex.

Subunit:

Interacts (via C-terminus) with SHANK3 (via PDZ domain). Interacts (via coiled coil) with SIPA1L1. Can form homooligomers (By similarity).

Subcellular Location:

Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Cytoplasm > cytoskeleton. Detected at synapses, postsynaptic density, synaptic spines and dendrites.

Similarity:

Belongs to the PROSAPIP1 family.

SWISS:

O60299

Gene ID:

9762

Important Note:

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

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