

聚磷酸肌醇磷酸酶 4A 抗体

产品货号： mlR16667

英文名称： INPP4A

中文名称： 聚磷酸肌醇磷酸酶 4A 抗体

别名： Type I 4-phosphatase; 107kDa; 4-bisphosphate 4-phosphatase; 9630012D15; D130048C09Rik; Inositol polyphosphate 4 phosphatase type I 107kDa; Inositol polyphosphate 4 phosphatase type I; Inositol polyphosphate 4-phosphatase type I; INP4A_HUMAN; INPP4; Inpp4a; OTTHUMP00000203138; OTTHUMP00000203139; OTTHUMP00000203141; OTTHUMP00000225217; R74740; TVAS1; Type I inositol 3 4 bisphosphate 4 phosphatase; Type I inositol 3,4 bisphosphate 4 phosphatase; Type I inositol-3.

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, Xenopus laevis



产品应用： WB=1:500-2000 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： 110kDa

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 INPP4A:151-250/977

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 background:

The inositol polyphosphate 4-phosphatases selectively remove the phosphate from the 4-position of various phosphatidylinositols, which generate second messengers in response to extracellular signals. Both the type I and type II 4-phosphatases catalyze the hydrolysis of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate, and inositol 3,4-bisphosphate. Type I and type II 4-phosphatases are both alternatively spliced into two isoforms, a and b, which have been detected in human platelets, rat brain, heart, skeletal muscle and spleen; and all isoforms contain a conserved motif CKSAKDRT, which contains the active site consensus sequence C-X5-R. Both type I and II 4-phosphatases are thought to regulate the level of intracellular calcium by acting as signal terminating enzymes.

Function:

Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-bisphosphate.

Tissue Specificity:

Isoform 1 is expressed in the platelets, MEG-01 megakaryocytes and Jurkat T-cells. Isoform 2 is expressed in the brain.

Similarity:

Belongs to the inositol-3,4-bisphosphate 4-phosphatase family.

Contains 1 C2 domain.

SWISS:

Q96PE3

Gene ID:

3631

Important Note:

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