

金属磷酸酯酶 1 抗体

产品货号： mlR17739

英文名称： MPPE1

中文名称： 金属磷酸酯酶 1 抗体

别名： Metallo phosphoesterase; Metallophosphoesterase 1; PGAP5; Post-GPI attachment to proteins factor 5

研究领域： 细胞生物 免疫学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Horse,

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 : 45kDa

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 MPPE1:221-320/396

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 : Metallophosphoesterases (MPPEs) are dynamic enzymes that catalyze a variety of cellular reactions and contain a conserved beta-alpha-beta-alpha-beta fold. The MPPE superfamily is divided into two subfamilies: phosphomonoesterases and phosphodiesterases. Each MPPE has a dimetal center located approximately at the C-terminal end of the parallel β -strands of the fold. MPPE1 (Metallophosphoesterase 1) is a 396 amino acid multipass membrane enzyme that requires two divalent metals as cofactors. MPPE1 contains a N-terminal signal peptide, a typical metallophosphoesterase domain and a C-terminal transmembrane domain. Expression of MPPE1 seems to be limited to brain. There are five isoforms of MPPE1 that are produced as a result of alternative splicing events.

Function:

The specific function of metallophosphoesterase 1 (MPPE1) is not yet known. There are 5 isoforms produced by alternative splicing which have molecular weights of 45 kDa, 39 kDa (2 isoforms), 38 kDa and 29 kDa.

Subunit:

Interacts with GPI-anchor proteins. Interacts with TMED10.

Subcellular Location:

Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein. Golgi apparatus, cis-Golgi network membrane; Multi-pass membrane protein. Note: Also localizes to endoplasmic reticulum exit site.

Tissue Specificity:

Expressed in brain.

Similarity:

Belongs to the metallophosphoesterase superfamily. MPPE1 family.

SWISS:

Q53F39

Gene ID:

65258

Important Note:

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