

肝再生磷酸酯酶 2 抗体

产品货号： mlR0644

英文名称： PTP4A2

中文名称： 肝再生磷酸酯酶 2 抗体

别名： Protein tyrosine phosphatase type IV A protein 2; Protein-tyrosinephosphatase 4a2; Protein-tyrosine phosphatase of regenerating liver 2; PRL-2; PRL2; PRL 2; TP4A2_HUMAN; BM 008; EC 3.1.3.48; HH 13; HH13; HH7 2; HU PP 1; HUPP 1; HUPP1; OV 1; OV1; phosphatase of regenerating liver 2; Protein tyrosine phosphatase 4a2; protein tyrosine phosphatase IVA; protein tyrosine phosphatase IVA2; Protein tyrosine phosphatase of regenerating liver 2; protein tyrosine phosphatase type IVA 2; Protein tyrosine phosphatase type IVA member 2 isoform 1; protein tyrosine phosphatase type IVA, member 2; PTP (CAAXII); ptp IV1a; ptp IV1b; PTP4A; PTPCAAX2.

研究领域： 肿瘤 细胞生物 神经生物学 信号转导 激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

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： 19kDa

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 PTP4A2:61-167/167

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 belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17. [provided by RefSeq, Aug 2010]

Function:

Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. Promotes tumors. Inhibits geranylgeranyl transferase type II activity by blocking the association between RABGGTA and RABGGTB.

Subunit:

In contrast to PTP4A1 and PTP4A3, does not interact with tubulin. Interacts with RABGGTB.

Subcellular Location:

Cell membrane. Early endosome. Cytoplasm.

Tissue Specificity:

Ubiquitously expressed, with highest levels in skeletal muscle, heart and thymus. Overexpressed in prostate tumor tissue.

Post-translational modifications:

Farnesylated. Farnesylation is required for membrane targeting and for interaction with RABGGTB. Unfarnesylated forms are redirected to the nucleus and cytosol.

Similarity:

Belongs to the protein-tyrosine phosphatase family.

Contains 1 tyrosine-protein phosphatase domain.

SWISS:

Q12974

Gene ID:

8073

Important Note:



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