

蛋白香叶烯基转移酶 1 α 抗体

产品货号： mlR9547

英文名称： PGGT1A

中文名称： 蛋白香叶烯基转移酶 1 α 抗体

别 名： CAAX farnesyltransferase alpha subunit; Farnesyl protein transferase alpha subunit; Farnesyltransferase CAAX box alpha; Farnesyltransferase, CAAX box, alpha; FPTA; FTase alpha; GGTase I alpha; PGGT1A; Protein farnesyltransferase/geranylgeranyltransferase type I alpha subunit; Protein prenyltransferase alpha subunit repeat containing 2; PTAR2; Ras proteins prenyltransferase alpha; Ras proteins prenyltransferase subunit alpha; Type I protein geranyl geranyltransferase alpha subunit; FNTA_HUMAN.

研究领域： 细胞生物 信号转导 G 蛋白信号

抗体来源： Rabbit

克隆类型： Polyclonal

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

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： 44kDa

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 PGGT1A/FNTA:301-379/379

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： FNTA, also known as CAAX farnesyltransferase (FTase), attaches a farnesyl group from farnesyl pyrophosphate to cysteine residues at the fourth position from the C terminus of proteins that end in the so-called CAAX box, where C is cysteine, A is usually but not always an aliphatic amino acid, and X is typically methionine or serine. This type of posttranslational modification provides a mechanism for membrane localization of proteins that lack a transmembrane domain. This enzyme has the remarkable property of farnesylating peptides as short as four residues in length that conform to the CAAX consensus sequence. FNTA is also a specific cytoplasmic interactor of the transforming growth factor-beta and activin type I receptors. It is likely to be a key component of the signaling pathway which involves p21ras, an important substrate for farnesyltransferase.

Function:

Catalyzes the transfer of a farnesyl or geranyl-geranyl moiety from farnesyl or geranyl-geranyl pyrophosphate to a cysteine at the fourth position from the C-terminus of several proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X. The alpha subunit is thought to participate in a stable complex with the substrate. The beta subunit binds the peptide substrate. Through RAC1 prenylation and activation may positively regulate neuromuscular junction development downstream of MUSK (By similarity).

Subunit:

Heterodimer of an alpha and a beta subunit. Interacts with MUSK; the interaction is direct and mediates AGRIN-

induced phosphorylation of FNTA (By similarity).

Subcellular Location:

Cytoplasmic

Post-translational modifications:

Phosphorylated. Phosphorylation is mediated by MUSK upon AGRIN stimulation and results in the activation of FNTA (By similarity).

Similarity:

Belongs to the protein prenyltransferase subunit alpha family.

Contains 5 PFTA repeats.

SWISS:

P49354

Gene ID:

2339

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

