

鸟嘌呤核苷酸交换因子 **GEFT** 抗体

产品货号： mlR11844

英文名称： GEFT

中文名称： 鸟嘌呤核苷酸交换因子 GEFT 抗体

别 名： ARHGEF25; ARHGP_HUMAN; GEFT; p63RhoGEF; Guanine nucleotide exchange factor GEFT; p63RhoGEF ; RAC/CDC42 exchange factor; Rac/Cdc42/Rho exchange factor GEFT; Rho guanine nucleotide exchange factor 25; RhoA/RAC/CDC42 exchange factor; RhoA/Rac/Cdc42 guanine nucleotide exchange factor GEFT.

研究领域： 细胞生物 神经生物学 G 蛋白偶联受体 G 蛋白信号

抗体来源： Rabbit

克隆类型： Polyclonal

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

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： 64kDa

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 GEFT:251-340/580

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 : GEFT is a 580 amino acid cytoplasmic protein that is highly expressed in excitable tissues such as brain, heart and muscle, and weakly expressed in small intestine, colon, liver, placenta and lung. GEFT may play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. GEFT works as a guanine nucleotide exchange factor for the Rho family of small GTPases and links specifically to G alpha q/11-coupled receptors in Rho A activation. GEFT is an important regulator of processes involved in axon and dendrite formation. Involved in skeletal myogenesis, GEFT seems to be an exchange factor primarily for Rac 1 in neurons. Existing as two alternatively spliced variants, GEFT contains a DH (DBL-homology) domain and a PH domain.

Function:

May play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. It works as a guanine nucleotide exchange factor for Rho family of small GTPases. Links specifically G alpha q/11-coupled receptors to RHOA activation. May be an important regulator of processes involved in axon and dendrite formation. In neurons seems to be an exchange factor primarily for RAC1. Involved in skeletal myogenesis.

Subunit:

Interacts (via the DH domain) with BVES (via the C-terminus cytoplasmic tail) (By similarity). Interacts with activated GNAQ and GNA11. Interacts with RHOA, CDC42 and RAC1.

Subcellular Location:

Cell membrane. Cytoplasm > myofibril > sarcomere. Highly colocalizes with actin regions.

Tissue Specificity:

Isoform 1 and isoform 2 are highly expressed in excitable tissues, such as brain, heart and muscle. Also detected in kidney and liver.

Similarity:

Contains 1 DH (DBL-homology) domain.

Contains 1 PH domain.

SWISS:

Q86VW2

Gene ID:

115557

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

