G 蛋白信号转导调节因子 12 抗体

产品货号： mlR19853

英文名称： RGS12

中文名称： G 蛋白信号转导调节因子 12 抗体

别　　名： DKFZp761K1617; Regulator of G protein signalling 12.

研究领域： 细胞生物　信号转导　表观遗传学　G 蛋白信号

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 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： 156kDa

细胞定位： 细胞核

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human RGS12:601-700/1447

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： This gene encodes a member of the 'regulator of G protein signaling' (RGS) gene family. The encoded protein may function as a guanosine triphosphatase (GTPase)-activating protein as well as a transcriptional repressor. This protein may play a role in tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their biological nature has not been determined. [provided by RefSeq, Jul 2008]

Function:

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Isoform 5: Behaves as a cell cycle-dependent transcriptional repressor, promoting inhibition of S-phase DNA synthesis.

Subunit:

Interacts with GNAI1, GNAI2 and GNAI3; the interactions are GDP-dependent.

Subcellular Location:

Nuclear

Tissue Specificity:

Isoform 3 is brain specific.

Similarity:

Contains 1 GoLoco domain.

Contains 1 PDZ (DHR) domain.

Contains 1 PID domain.

Contains 2 RBD (Ras-binding) domains.

Contains 1 RGS domain.

SWISS:

O14924

Gene ID:

6002

Important Note:

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