



## G 蛋白信号转导调节因子 10 抗体

产品货号 : mlR19852

英文名称 : RGS10

中文名称 : G 蛋白信号转导调节因子 10 抗体

别 名 : Regulator of G protein signaling 10; Regulator of G protein signalling 10; Regulator of G-protein signaling 10; RGS10; RGS10\_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, Dog, Pig, Cow, Horse, 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 : 20kDa

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 RGS10:101-173/173

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 : Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 10 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. This protein associates specifically with the activated forms of the two related G-protein subunits, G-alpha<sub>i3</sub> and G-alpha<sub>z</sub> but fails to interact with the structurally and functionally distinct G-alpha subunits. Regulator of G protein signaling 10 protein is localized in the nucleus. Two transcript variants encoding different isoforms have been found for this gene. [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. Associates specifically with the activated forms of the G protein subunits G(i)-alpha and G(z)-alpha but fails to interact with the structurally and functionally distinct G(s)-alpha subunit. Activity on G(z)-alpha is inhibited by palmitoylation of the G-protein.

#### Post-translational modifications:

Isoform 3 is phosphorylated on Ser-16.



**Similarity:**

Contains 1 RGS domain.

**SWISS:**

O43665

**Gene ID:**

6001

**Important Note:**

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