

Centaurin α 1 抗体

产品货号 : mlR11543

英文名称 : Centaurin alpha 1

中文名称 : Centaurin α 1 抗体

别名 : ArfGAP with dual PH domains 1; CENTA 1; CENTA1; Centaurin alpha; GCS1L; IP4/PIP3 binding protein; p42IP4; Putative MAPK activating protein PM25; ADAP1_HUMAN.

研究领域 : 细胞生物 神经生物学 信号转导

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Human, Mouse, Rat, Dog, Pig, Cow, Horse, 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 : 43kDa

细胞定位 : 细胞核 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 Centaurin alpha 1:101-200/374

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： ADP-ribosylation factor (ARF) family of small GTP-binding proteins are involved in vesicular transport regulation and in controlling cytoskeletal organization and cell adhesion. These proteins are best characterized as regulators of membrane traffic. The Centaurin GTPase-activating protein family comprise a subset of ARF regulatory molecules that transduce PI 3-kinase activation into coordinated control of Arf-dependent pathways. This family includes ASAP1, ACAP1, ACAP2, AGAP1, ARAP1, ARAP2, Centaurin a1 and Centaurin g3. The Centaurin a1 protein is a high affinity PtdIns(3,4,5)P3 binding protein enriched in brain. By acting as a GTPase activating protein for ADP ribosylation factor 6 (ARF6), Centaurin a1 is able to switch off ARF6 and inhibit its ability to mediate b2-adrenoceptor internalization and negatively regulate ARF6 activity by functioning as an in vivo PIP3 dependent ARF6 GAP.

Function:

The centaurin alpha 1 protein is a high affinity PtdIns(3,4,5)P3 binding protein enriched in brain. By acting as a GTPase activating protein for ADP ribosylation factor 6 (ARF6), centaurin alpha 1 is able to switch off ARF6 and inhibit its ability to mediate beta 2 adrenoceptor internalization and negatively regulates ARF6 activity by functioning as an in vivo PIP3 dependent ARF6 GAP.

Subunit:

Interacts with PRKCA, PRKCI and PRKCZ. Interacts with the N-terminal region of PRKD1.

Subcellular Location:

Cellular localizationCytoplasmic, Nuclear and Plasma membrane

Tissue Specificity:

Expressed at highest levels in brain and at lower levels in peripheral blood leukocytes.

Post-translational modifications:

Phosphorylated by PRKCA, PRKCI, PRKCZ and PRKD1 in vitro.

Similarity:

Contains 1 Arf-GAP domain.

Contains 2 PH domains.

SWISS:

O75689

Gene ID:

11033

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

