

ADP 核糖基化因子 6 抗体

产品货号： mlR1145

英文名称： ARF6

中文名称： ADP 核糖基化因子 6 抗体

别名： ADP ribosylation factor 6; ADP ribosylation factor protein 6; ADP-ribosylation factor 6; Small GTPase; AI788669; AW496366; MGC102530; ADP ribosylation factor protein 6; ARF6_HUMAN; DKFZp564M0264; Small GTP binding protein.

研究领域： 信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 细胞浆 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human ARF6:101-175/175

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 human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7.

Function:

GTP-binding protein involved in protein trafficking; regulates endocytic recycling and cytoskeleton remodeling. May modulate vesicle budding and uncoating within the Golgi apparatus. Functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in the regulation of dendritic spine development. Contributes to the regulation of dendritic branching and filopodia extension.

Subunit:

Interacts with ARHGAP21, ASAP2, HERC1, PIP5K1C and UACA. Interacts with NCS1/FREQ at the plasma membrane. Interacts with RAB11FIP3 and RAB11FIP4. Interacts with USP6 (via Rab-GAP TBC domain). Interacts with ECM29. Interacts with TBC1D24.

Subcellular Location:

Golgi apparatus. Cell membrane; Lipid-anchor. Endosome membrane; Lipid-anchor. Cell membrane. Cell projection, filopodium membrane; Lipid-anchor. Note=Recruited to the cell membrane in association with CYTH2 and ARL4C.

Similarity:

Belongs to the small GTPase superfamily. Arf family.

SWISS:

P62330

Gene ID:

382

Important Note:

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

ARF6 主要用于：肿瘤方面的研究，在很多肿瘤组织中都有一定的表达及分布。

技术背景：rRNA 加工、内质网高尔基膜泡介导运输、细胞运动性、细胞附着、小 GTP 酶介导信号转导、蛋白运输、膜泡介导运输、正调控肌动蛋白丝聚合、皮层肌动蛋白细胞骨架组织和生物发生、褶皱组织和生物发生、调控 Rac 蛋白信号转导、负调控受体介导胞吞。