

Product datasheet

Anti-ARHGEF1 antibody ab56462

1 图像

概述

产品名称	Anti-ARHGEF1抗体
描述	小鼠单克隆抗体to ARHGEF1
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Recombinant fragment: CRPGPEGQLA ATALRKVLSL KQLLFP AEED NGAGPPRDGD GVPGGGLSP ARTQEIQENL LSLEETMKQL EELEEEFCRL RPLLSQLGGN SVPQPGCT, corresponding to amino acids 830-927 of Human ARHGEF1 Run BLAST with ExPASy Run BLAST with NCBI

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG2a
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab56462** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
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WB

应用说明

WB: Use at a concentration of 1-5 µg/ml.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Seems to play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13) subunits. Acts as GTPase-activating protein (GAP) for GNA12 and GNA13, and as guanine nucleotide exchange factor (GEF) for RhoA GTPase. Activated G alpha 13/GNA13 stimulates the RhoGEF activity through interaction with the RGS-like domain. This GEF activity is inhibited by binding to activated GNA12. Mediates angiotensin-2-induced RhoA activation.

组织特异性

Ubiquitously expressed.

序列相似性

Contains 1 DH (DBL-homology) domain.

Contains 1 PH domain.

Contains 1 RGS (RGS-like) domain.

结构域

The RGS domain, also known as rgRGS domain, is necessary but not sufficient for GAP activity.

The DH domain is involved in interaction with CCPG1.

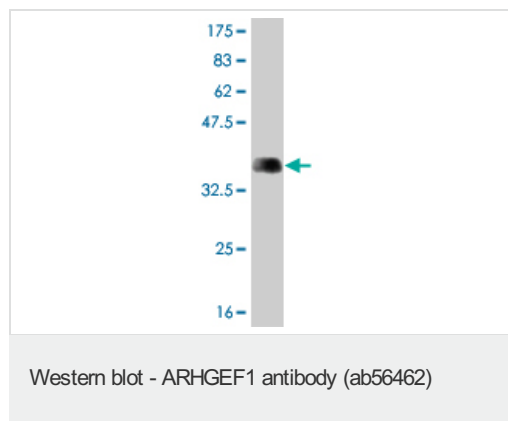
翻译后修饰

Phosphorylated by PKCA. Angiotensin-2 induced Tyr-738 phosphorylation is mediated by JAK2.

细胞定位

Cytoplasm. Membrane. Translocated to the membrane by activated GNA13 or LPA stimulation.

图片



Western blot against tagged recombinant protein immunogen using ab56462 ARHGEF1 antibody at 1ug/ml. Predicted band size of immunogen is 37 kDa

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