abcam

Product datasheet

PE Anti-CDC42 antibody [EPR15620] ab225346

重组 RabMAb

2 图像

概述

产品名称	PE Anti-CDC42抗体[EPR15620]
描述	PE兔单克隆抗体[EPR15620] to CDC42
宿主	Rabbit
偶联物	PE. Ex: 488nm, Em: 575nm
经测试应用	**适用于:** Flow Cyt (Intra)
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	Recombinant fragment within Human CDC42 aa 50 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please **contact** our Scientific Support team to discuss your requirements. Database link: **P60953**
阳性对照	Flow Cyt (intra): Jurkat cells

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Avoid freeze / thaw cycle. Store In the Dark.
存储溶液	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 1% BSA, PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR15620
同种型	IgG

应用

The Abpromise guarantee	**Abpromise™承诺保证使用ab225346于以下的经测试应用**

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/5000. The cellular localisation of this product has been verified in ICC/IF.

靶标

功能 Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses. Involved in epithelial cell polarization processes. Causes the formation of thin, actin-rich surface projections called filopodia.

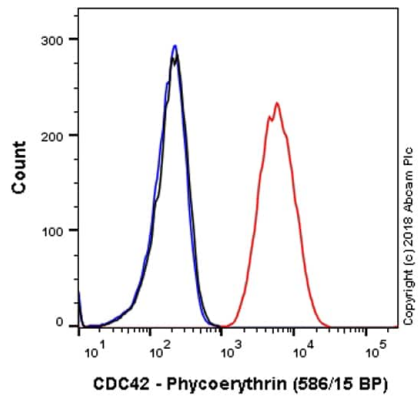
序列相似性 Belongs to the small GTPase superfamily. Rho family. CDC42 subfamily.

翻译后修饰 AMPylation at Tyr-32 and Thr-35 are mediated by bacterial enzymes in case of infection by H.somnus and V.parahaemolyticus, respectively. AMPylation occurs in the effector region and leads to inactivation of the GTPase activity by preventing the interaction with downstream effectors, thereby inhibiting actin assembly in infected cells. It is unclear whether some human enzyme mediates AMPylation; FICD has such ability in vitro but additional experiments remain to be done to confirm results in vivo.

细胞定位 Cell membrane.

形式 There are 2 isoforms produced by alternative splicing. Isoform 1 also known as: Brain; Isoform 2 also known as: Placental.

图片



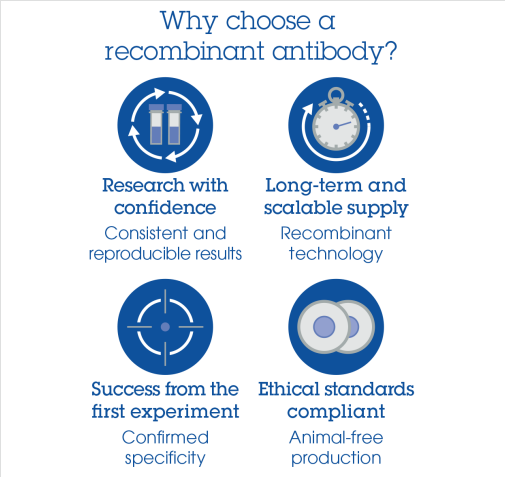
Flow Cytometry (Intracellular) - PE Anti-CDC42 antibody [EPR15620] (ab225346)

Overlay histogram showing Jurkat cells stained with ab225346 (red line). The cells were fixed with 4% formaldehyde (10 min) and then permeabilized with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab225346, 1/5000 dilution) for 30 min at 22°C.

Isotype control antibody (black line) was Rabbit IgG (monoclonal) Phycoerythrin (**ab209478**) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 50 mW Yellow/Green laser (561nm) and 586/15 bandpass filter.

This antibody gave a positive signal in Jurkat cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Triton X-100 for 15 min used under the same conditions.



PE Anti-CDC42 antibody [EPR15620] (ab225346)

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