

Recombinant Human CDC42 protein ab87713

2 图像

描述	
产品名称	重组人CDC42蛋白
纯度	> 95 % SDS-PAGE. ab87713 is purified using conventional chromatography techniques. Endotoxin: < 1.0 EU per 1 microgram of protein (determined by LAL method).
表达系统	Escherichia coli
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MASMTGGQQM GRGSHMQTIK CVVVG DGAVG KTCLLISYTT NKFPSEYVPT VFDNYAVTVM IGGEPYTLGL FDTAGQEDYD RLRPLSYPQT DVFLVCFSVV SPSSFENVKE KWPPEITHHC PKTPFLLVGT QIDLRDDPST IEKLAKNKQK PITPETAEKL ARDLKAVKYV ECSALTQKGL KNVFDEAILA ALEPPEPKKS RRC

技术指标	
Our Abpromise guarantee covers the use of ab87713 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	SDS-PAGE Western blot
形式	Liquid

制备和贮存	
稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 0.0584% EDTA, 10% Glycerol (glycerin, glycerine)

常规信息

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.

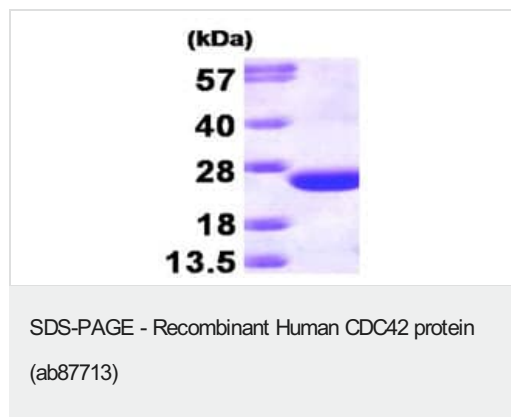
翻译后修饰

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.

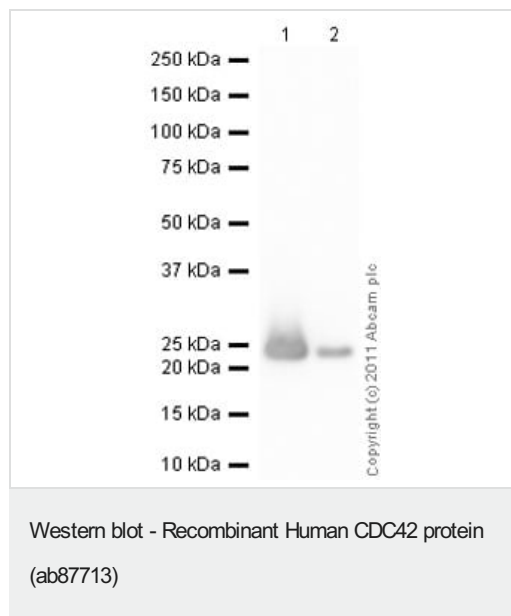
细胞定位

Cell membrane.

图片



15% SDS-PAGE showing ab87713 at approximately 22.4kDa (3µg).



All lanes : Anti-CDC42 antibody ([ab64533](#)) at 1 µg/ml

Lane 1 : Recombinant Human CDC42 protein (ab87713) at 0.1 µg

Lane 2 : Recombinant Human CDC42 protein (ab87713) at 0.01 µg

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 1 minute

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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