

Recombinant Human RhoA protein ab91068

製品の詳細

製品名	Recombinant Human RhoA protein
精製度	> 90 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	P61586
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列の追加情報	AF498970

特性

Our **Abpromise guarantee** covers the use of **ab91068** in the following tested applications.

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

アプリケーション	SDS-PAGE
製品の状態	Liquid

前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.20 Constituents: 0.00088% GDP, 0.019% Magnesium chloride, 0.077% DTT, 0.595% HEPES, 0.232% Sodium chloride
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関連情報

機能	Regulates a signal transduction pathway linking plasma membrane receptors to the assembly of focal adhesions and actin stress fibers. Serves as a target for the yopT cysteine peptidase from Yersinia pestis, vector of the plague, and Yersinia pseudotuberculosis, which causes gastrointestinal disorders. May be an activator of PLCE1. Activated by ARHGEF2, which promotes the exchange of GDP for GTP.
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配列類似性	Belongs to the small GTPase superfamily. Rho family.
ドメイン	The basic-rich region is essential for yopT recognition and cleavage.
翻訳後修飾	<p>Substrate for botulinum ADP-ribosyltransferase.</p> <p>Cleaved by yopT protease when the cell is infected by some Yersinia pathogens. This removes the lipid attachment, and leads to its displacement from plasma membrane and to subsequent cytoskeleton cleavage.</p> <p>AMPylation at Tyr-34 and Thr-37 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.</p> <p>Ubiquitinated by the BCR(BACURD1) and BCR(BACURD2) E3 ubiquitin ligase complexes, leading to its degradation by the proteasome, thereby regulating the actin cytoskeleton and cell migration.</p>
細胞内局在	Cell membrane. Cytoplasm > cytoskeleton.

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

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