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35-1769: Polyclonal Antibody to RhoA

Clonality: Polyclonal

Application: WB

Reactivity: Human, Mouse, Rat

 Gene :
 RHOA

 Gene ID :
 387

 Uniprot ID :
 P61586

 Format :
 Purified

Alternative Name: ARHA,ARH12,RHO12,RHOH12

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around aa.180-184(Q-A-R-R-G) derived from Human RhoA.

Description

Regulates a signal transduction pathway linking plasma membrane receptors to the assembly of focal adhesions and actin stress fibers. Involved in a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Plays an essential role in cleavage furrow formation. Required for the apical junction formation of keratinocyte cell-cell adhesion. Serves as a target for the yopT cysteine peptidase from Yersinia pestis, vector of the plague, and Yersinia pseudotuberculosis, which causes gastrointestinal disorders. Stimulates PKN2 kinase activity. May be an activator of PLCE1. Activated by ARHGEF2, which promotes the exchange of GDP for GTP. Essential for the SPATA13-mediated regulation of cell migration and adhesion assembly and disassembly. The MEMO1-RHOA-DIAPH1 signaling pathway plays an important role in ERBB2-dependent stabilization of microtubules at the cell cortex. It controls the localization of APC and CLASP2 to the cell membrane, via the regulation of GSK3B activity. In turn, membrane-bound APC allows the localization of the MACF1 to the cell membrane, which is required for microtubule capture and stabilization.

Product Info

Amount: 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition:

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Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blotting: 1:1000

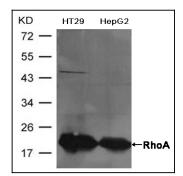


Figure 1: Western blot analysis of extracts from HT29 and HepG2 cells using RhoA Antibody 35-1769.