

RhoA monoclonal antibody

Catalog: MB67042

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

Rho family small GTPases, including Rho, Rac and cdc42, act as molecular switches, regulating processes such as cell migration, adhesion, proliferation and differentiation. They are activated by guanine nucleotide exchange factors (GEFs), which catalyze the exchange of bound GDP for GTP, and inhibited by GTPase activating proteins (GAPs), which catalyze the hydrolysis of GTP to GDP. A third level of regulation is provided by the stoichiometric binding of Rho GDP dissociation inhibitor (RhoGDI). RhoA, RhoB and RhoC are highly homologous, but appear to have divergent biological functions. Carboxy-terminal modifications and differences in sub-cellular localization allow these three proteins to respond to and act on distinct signaling molecules. Functions of RhoA, the most highly studied of these three, include regulation of actomyosin contractility, cytokinesis, focal adhesion assembly and cell polarity.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 22 kDa

Swiss-Prot:

P61586

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/1000 - 1/8000)

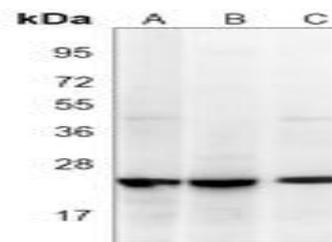
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of RhoA protein.

DATA:



Western blot analysis of RhoA expression in PC12 (A), NIH3T3 (B), L929 (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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