

ROCK1 polyclonal antibody

Catalog: BS91175

Host: Rabbit

Reactivity: Human, mouse

BackGround:

ROCK1 is a protein serine/threonine kinase also known as rho-associated, coiled-coil-containing protein kinase 1. ROCK1 has a ubiquitous tissue distribution, but subcellularly it is thought to colocalize with the centrosomes. This is consistent with its function as a key modulator of cell motility, tumor cell invasion, and actin cytoskeleton organization. ROCK1 has a diverse range of functions in the body. It is a key regulator of actin-myosin contraction, stability, and cell polarity. These contribute to many progresses such as regulation of morphology, gene transcription, proliferation, differentiation, apoptosis and oncogenic transformation. Other functions involve smooth muscle contraction, actin cytoskeleton organization, stress fiber and focal adhesion formation, neurite retraction, cell adhesion and motility. These functions are activated by phosphorylation of DAPK3, GFAP, LIMK1, LIMK2, MYL9/MLC2, PFN1 and PPP1R12A.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

158 kDa

Swiss-Prot:

Q13464

Purification&Purity:

Peptide affinity purified

Applications:

WB:1:1,000

IHC:1:200

ICC:1:200

FC:1:100-1:200

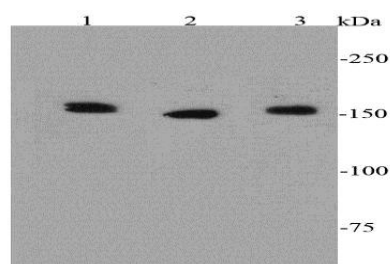
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

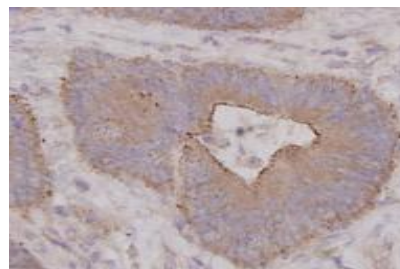
Specificity:

ROCK1 polyclonal antibody detects endogenous levels of ROCK1 protein.

DATA:



Western blot analysis of ROCK1 on different cell lysates using anti-ROCK1 antibody at 1/1000 dilution. Positive control: Lane 1: NIH/3T3 Lane 2: Jurkat Lane 3: HeLa



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-ROCK1 antibody. Counter stained with hematoxylin.

Note:

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

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