

Rho guanine nucleotide exchange factor 18 Polyclonal Antibody

Catalog No: #42430

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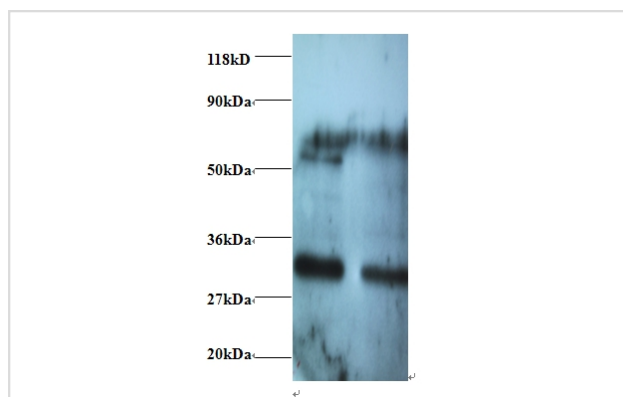
Description

Product Name	Rho guanine nucleotide exchange factor 18 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Rho guanine nucleotide exchange factor 18 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Rho guanine nucleotide exchange factor 18 protein
Target Name	Rho guanine nucleotide exchange factor 18
Other Names	GDI2
Accession No.	Swiss-Prot#: Q6ZSZ5
Uniprot	Q6ZSZ5
GeneID	23370;
Calculated MW	129kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: □ 1:500 - 1:1000

Images



All lanes : Rho guanine nucleotide exchange factor 18 antibody at 2ug/ml

Lane 1 : EC109 whole cell lysate

Lane 2 : 293T whole cell lysate

Secondary

Goat polyclonal to Rabbit IgG at 1/15000 dilution

Predicted band size : 129 kDa

Observed band size : 30 kDa

Additional bands at : 60kDa.

Background

Rho GTPases are GTP binding proteins that regulate a wide spectrum of cellular functions. These cellular processes include cytoskeletal

rearrangements, gene transcription, cell growth and motility. Activation of Rho GTPases is under the direct control of guanine nucleotide exchange factors (GEFs). p114RgoGEF acts as guanine nucleotide exchange factor (GEF) for RhoA GTPases. It may play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. It also acts as a GEF for RAC1, inducing production of reactive oxygen species (ROS), but does not act as a GEF for CDC42. The G protein beta-gamma (Gbetagamma) subunits of heterotrimeric G proteins act as activators, explaining the integrated effects of LPA and other G-protein coupled receptor agonists on actin stress fiber formation, cell shape change and ROS production.

References

[1] "Prediction of the coding sequences of unidentified human genes. IX. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro." Nagase T., Ishikawa K., Miyajima N., Tanaka A., Kotani H., Nomura N., Ohara O. DNA

Note: This product is for in vitro research use only