10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

RhoGDI Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11855

Specification

RhoGDI Antibody - Product Information

Application	**IHC, WB**
Primary Accession	P52565
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23207**

RhoGDI Antibody - Additional Information

Gene ID 396

Positive Control	**WB:A549, DLD, HepG2 cell lysates; IHC: human breast cancer tissue**
Application & Usage	**WB; 1:500 – 1:2000, IHC; 1:50 – 1:200**
Alias Symbol	**ARHGDIA**

Other Names
GDIA1, Rho GDP-dissociation inhibitor 1, Rho GDI 1, Rho-GDI

Appearance
Colorless liquid

Formulation
In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
RhoGDI Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RhoGDI Antibody - Protein Information

Name ARHGDIA

Synonyms GDIA1

Function

Controls Rho proteins homeostasis. Regulates the GDP/GTP exchange reaction of the Rho proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them. Retains Rho proteins such as CDC42, RAC1 and RHOA in an inactive cytosolic pool, regulating their stability and protecting them from degradation. Actively involved in the recycling and distribution of activated Rho GTPases in the cell, mediates extraction from membranes of both inactive and activated molecules due its exceptionally high affinity for prenylated forms. Through the modulation of Rho proteins, may play a role in cell motility regulation. In glioma cells, inhibits cell migration and invasion by mediating the signals of SEMA5A and PLXNB3 that lead to inactivation of RAC1.

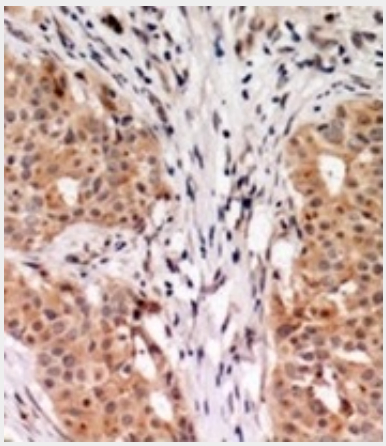
Cellular Location
Cytoplasm.

RhoGDI Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

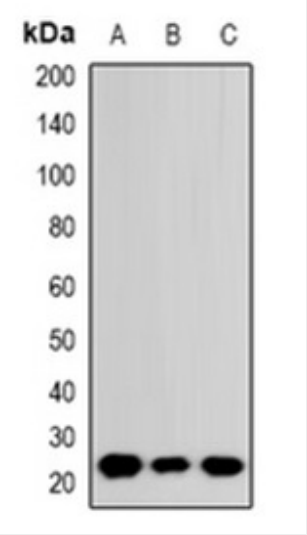
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RhoGDI Antibody - Images



Immunohistochemical analysis of RhoGDI alpha staining in human breast cancer formalin fixed paraffin embedded tissue section.

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Western blot analysis of RhoGDI alpha experssion in A549(A); DLD(B); HepG2© whole cell lysates.

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