

### **RhoGDI Antibody**

Rabbit mAb Catalog # AP91869

### **Specification**

### **RhoGDI Antibody - Product Information**

Application WB, IHC, ICC

Primary Accession P52565
Reactivity Rat

Clonality Monoclonal

**Other Names** 

ARHGDIA; GDIA1; RHOGDI; RHOGDI-1;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 23207 Da

# **RhoGDI Antibody - Additional Information**

Dilution WB~~1:1000

IHC~~1:100~500

ICC~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

**RhoGDI** 

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

# **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.

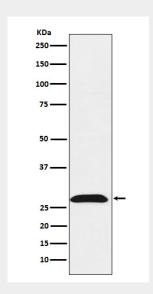
**Cellular Location** Cytoplasm.

# **RhoGDI Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **RhoGDI Antibody - Images**



Western blot analysis of RhoGDI expression in HeLa cell lysate.