

ARG55121 anti-RhoGDI antibody

Package: 50 µl
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes RhoGDI |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | ICC/IF, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | RhoGDI |
| Species | Human |
| Immunogen | Recombinant protein of Human RhoGDI (Swiss: P52565) |
| Conjugation | Un-conjugated |
| Alternate Names | HEL-S-47e; RHOGDI-1; RHOGDI; Rho GDP-dissociation inhibitor 1; Rho GDI 1; GDIA1; Rho-GDI alpha; NPHS8 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|----------------|
| | ICC/IF | 1:50 - 1:200 |
| | WB | 1:500 - 1:2000 |

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control Mouse lung and COS7

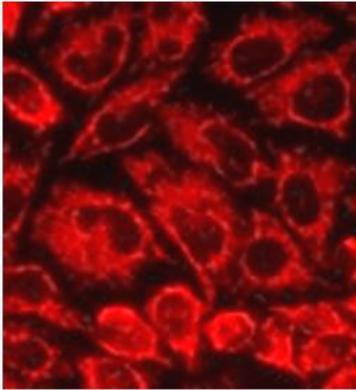
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|----------------|--|
| Gene Symbol | ARHGDI |
| Gene Full Name | Rho GDP dissociation inhibitor (GDI) alpha |
| Background | This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in a variety of cellular processes, and expression of this gene may be altered in tumors. Mutations in this gene have been found in individuals with nephrotic syndrome, type 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014] |
| 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. [UniProt] |
| Research Area | Signaling Transduction antibody |
| Calculated Mw | 23 kDa |

Images



ARG55121 anti-RhoGDI antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG55121 anti-RhoGDI antibody.



ARG55121 anti-RhoGDI antibody WB image

Western blot: Mouse lung and COS7 cell lysates stained with ARG55121 anti-RhoGDI antibody.