

ARHGDI Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2894b**Specification**

ARHGDI Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P52565
Other Accession	Q5XI73 , Q99PT1 , Q4R4J0 , P19803
Reactivity	Human
Predicted	Bovine, Monkey, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23207
Antigen Region	112-140

ARHGDI Antibody (C-term) - Additional Information**Gene ID** 396**Other Names**

Rho GDP-dissociation inhibitor 1, Rho GDI 1, Rho-GDI alpha, ARHGDI, GDIA1

Target/Specificity

This ARHGDI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 112-140 amino acids from the C-terminal region of human ARHGDI.

DilutionWB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ARHGDI Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ARHGDI Antibody (C-term) - Protein Information**Name** ARHGDI

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

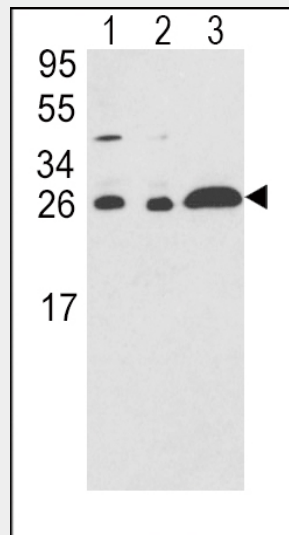
Cytoplasm.

ARHG DIA Antibody (C-term) - Protocols

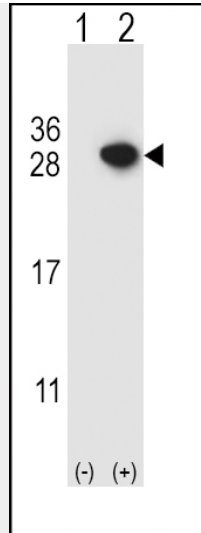
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

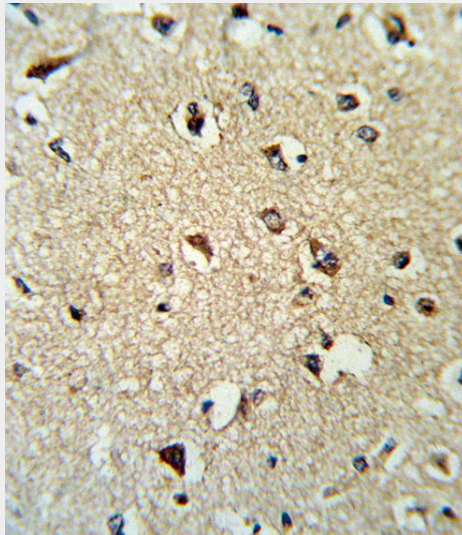
ARHG DIA Antibody (C-term) - Images



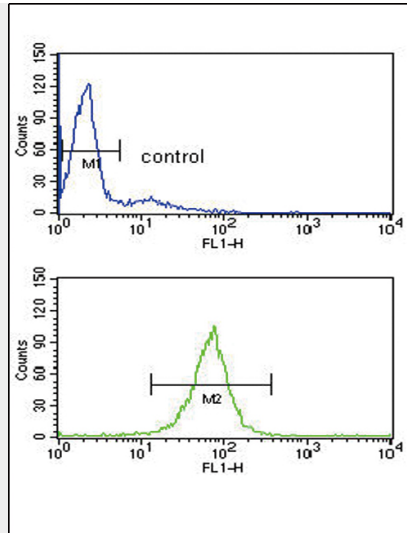
Western blot analysis of ARHG DIA Antibody (C-term) (Cat. #AP2894b) in A375(lane 1),HL-60(lane 2),Ramos(lane 3) cell line lysates (35ug/lane). ARHG DIA (arrow) was detected using the purified Pab.



Western blot analysis of ARHGDI A (arrow) using rabbit polyclonal ARHGDI A Antibody (C-term) (Cat. #AP2894b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ARHGDI A gene.



Formalin-fixed and paraffin-embedded human brain tissue reacted with ARHGDI A Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



ARHGDI2 Antibody (C-term) (Cat. #AP2894b) flow cytometry analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ARHGDI2 Antibody (C-term) - Background

ARHGDI2 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.

ARHGDI2 Antibody (C-term) - References

Qiao, J., etc, Am. J. Physiol., Cell Physiol. 295 (5), C1161-C1168 (2008)