

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

ARHGDIA Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,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

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

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

Target/Specificity

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

Dilution

FC~~1:10~50

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

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

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

ARHGDIA Antibody (C-term) - 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

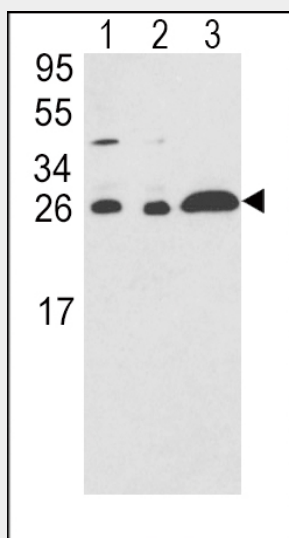
Cytoplasm.

ARHGDIA Antibody (C-term) - Protocols

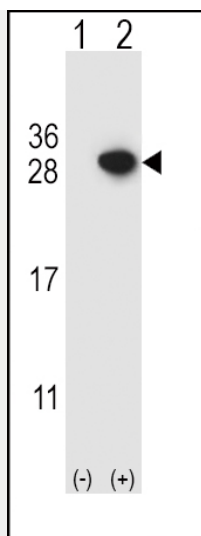
Provided below are standard protocols that you may find useful for product applications.

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

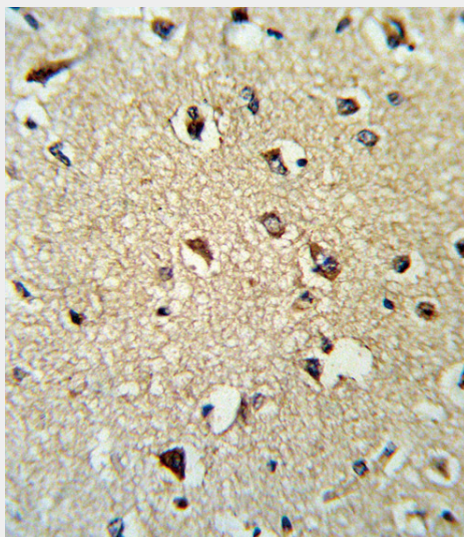
ARHGDIA Antibody (C-term) - Images



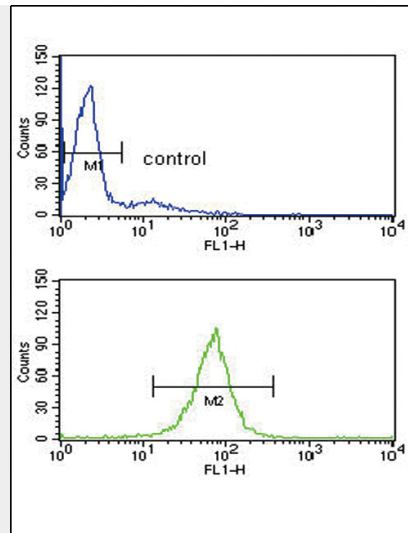
Western blot analysis of ARHGDIA Antibody (C-term) (Cat. #AP2894b) in A375(lane 1),HL-60(lane 2),Ramos(lane 3) cell line lysates (35ug/lane). ARHGDIA (arrow) was detected using the purified Pab.



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



Formalin-fixed and paraffin-embedded human brain tissue reacted with ARHGDIA 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.



ARHGDIA 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.

ARHGDIA Antibody (C-term) - Background

ARHGDIA 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.

ARHGDIA Antibody (C-term) - References

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