

ARHGDIB Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13743b

Specification

ARHGDIB Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	P52566
Other Accession	NP_001166.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	160-188

ARHGDIB Antibody (C-term) - Additional Information

Gene ID 397

Other Names

Rho GDP-dissociation inhibitor 2, Rho GDI 2, Ly-GDI, Rho-GDI beta, ARHGDIB, GDIA2, GDID4, RAP1GN1

Target/Specificity

This ARHGDIB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 160-188 amino acids from the C-terminal region of human ARHGDIB.

Dilution

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 purified through a protein A column, followed by peptide affinity purification.

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

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

ARHGDIB Antibody (C-term) - Protein Information

Name ARHGDIB

Synonyms GDIA2, GDID4, RAP1GN1

Function 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 (PubMed:[7512369](#), PubMed:[8356058](#)). Regulates reorganization of the actin cytoskeleton mediated by Rho family members (PubMed:[8262133](#)).

Cellular Location

Cytoplasm, cytosol.

Tissue Location

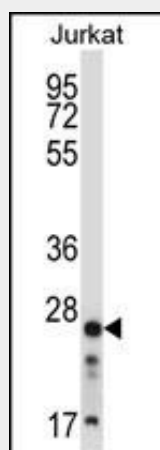
Detected in bone marrow, thymus and spleen.

ARHGDIB Antibody (C-term) - Protocols

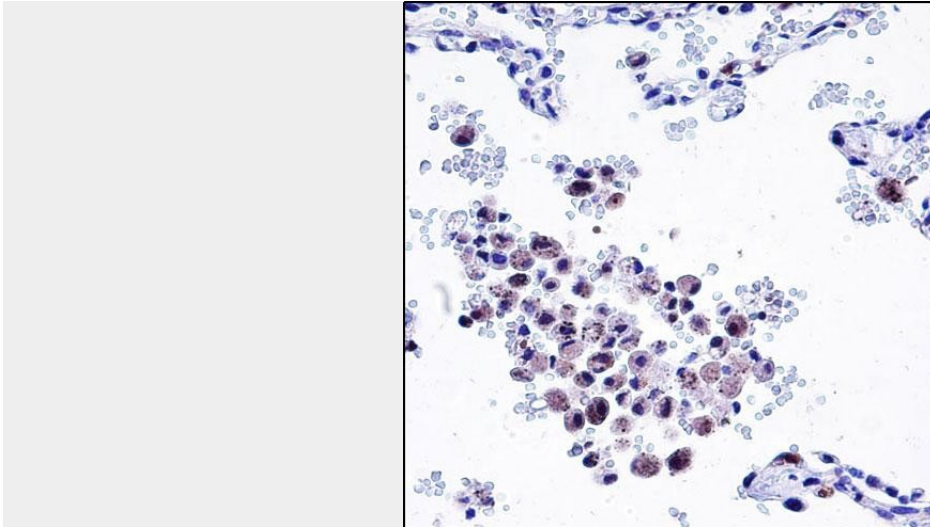
Provided below are standard protocols that you may find useful for product applications.

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

ARHGDIB Antibody (C-term) - Images



ARHGDIB Antibody (C-term) (Cat. #AP13743b) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the ARHGDIB antibody detected the ARHGDIB protein (arrow).



ARHGDI B Antibody (C-term) (Cat. #AP13743b) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ARHGDI B Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ARHGDI B Antibody (C-term) - Background

Members of the Rho (or ARH) protein family (see MIM 165390) and other Ras-related small GTP-binding proteins (see MIM 179520) are involved in diverse cellular events, including cell signaling, proliferation, cytoskeletal organization, and secretion. The GTP-binding proteins are active only in the GTP-bound state. At least 3 classes of proteins tightly regulate cycling between the GTP-bound and GDP-bound states: GTPase-activating proteins (GAPs), guanine nucleotide-releasing factors (GRFs), and GDP-dissociation inhibitors (GDIs). The GDIs, including ARHGDI B, decrease the rate of GDP dissociation from Ras-like GTPases (summary by Scherle et al., 1993 [PubMed 8356058]).

ARHGDI B Antibody (C-term) - References

Niu, H., et al. *Oncol. Rep.* 24(2):465-471(2010)
Zhen, H., et al. *Int. J. Gynecol. Cancer* 20(3):316-322(2010)
Guey, L.T., et al. *Eur. Urol.* 57(2):283-292(2010)
Said, N., et al. *Cancer Metastasis Rev.* 28 (3-4), 327-333 (2009) :
Hosgood, H.D. III, et al. *Respir Med* 103(12):1866-1870(2009)

ARHGDI B Antibody (C-term) - Citations

- [RhoGDI \$\beta\$ Inhibits BMP4-induced Adipocyte Lineage Commitment and Favors Smooth Muscle-like Cell Differentiation.](#)