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# ARHGDIB Antibody (C-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP13743b**

## Specification

### ARHGDIB Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB, IHC-P,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**
WB~~1:1000
IHC-P~~1:10~50

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

**Cellular Location**
Cytoplasm, cytosol.

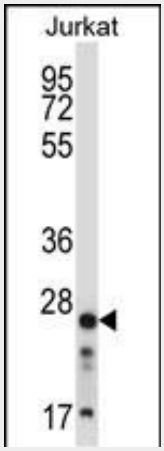
**Tissue Location**
Detected in bone marrow, thymus and spleen.

## ARHGDIB Antibody (C-term) - Protocols

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

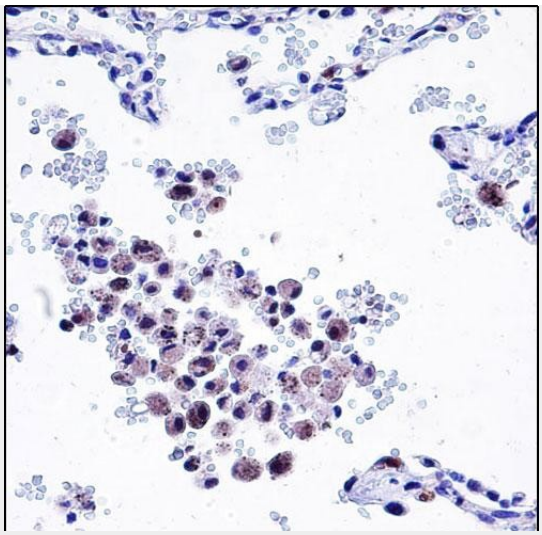
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## 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).

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ARHGDIB 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 ARHGDIB Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

**ARHGDIB 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 ARHGDIB, decrease the rate of GDP dissociation from Ras-like GTPases (summary by Scherle et al., 1993 [PubMed 8356058]).

**ARHGDIB 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)

**ARHGDIB Antibody (C-term) - Citations**

- RhoGDIβ Inhibits BMP4-induced Adipocyte Lineage Commitment and Favors Smooth Muscle-like Cell Differentiation.