

Datasheet for ABIN657665

**anti-ARHGDIB antibody (C-Term)****2** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	ARHGDIB
Binding Specificity:	AA 160-188, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	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.
Clone:	RB33730
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ARHGDIB
Alternative Name:	ARHGDIB ( <a href="#">ARHGDIB Products</a> )
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

## Target Details

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]).

Molecular Weight: 22988

Gene ID: 397

NCBI Accession: [NP\\_001166](#)

UniProt: [P52566](#)

Pathways: [Caspase Cascade in Apoptosis](#)

## Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

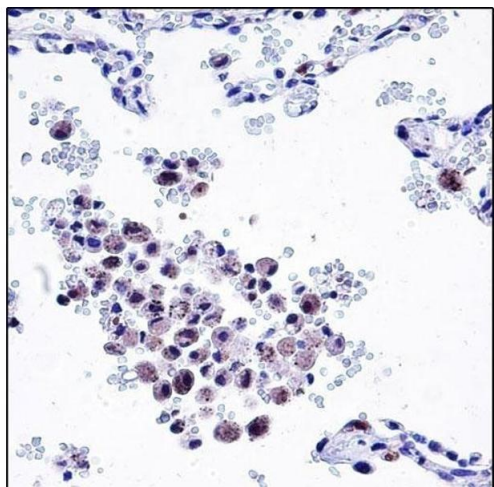
Storage: 4 °C, -20 °C

Storage Comment: ARHGDIB Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months

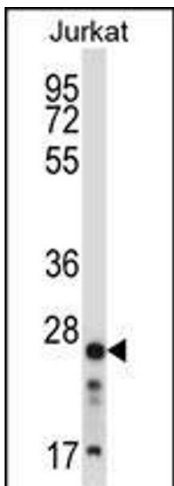
## Publications

Product cited in: Hoeffler, Santini, Ma, Arnold, Whelan, Wong, Pierre, Pelletier, Klann: "Multiple components of eIF4F are required for protein synthesis-dependent hippocampal long-term potentiation." in: **Journal of neurophysiology**, Vol. 109, Issue 1, pp. 68-76, (2013) ([PubMed](#)).



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** ARHGDIB Antibody (C-term) (ABIN657665 and ABIN2846658) 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.



**Western Blotting**

**Image 2.** ARHGDIB Antibody (C-term) (ABIN657665 and ABIN2846658) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the ARHGDIB antibody detected the ARHGDIB protein (arrow).