

Datasheet for ABIN531960

anti-ARHGDIB antibody (Cleavage Site)**2** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ARHGDIB
Binding Specificity:	Cleavage Site
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ARHGDIB antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Purpose:	Mouse monoclonal antibody raised against synthetic peptide of ARHGDIB.
Immunogen:	A synthetic peptide corresponding to the region of the Fas-induced cleavage site of human ARHGDIB.
Clone:	97A1015
Isotype:	IgG2b
Cross-Reactivity:	Human, Mouse

Target Details

Target:	ARHGDIB
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Target Details

Alternative Name: ARHGDIB / D4-GDI ([ARHGDIB Products](#))

Gene ID: 397

Pathways: [Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.05 % BSA, 0.05 % 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: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

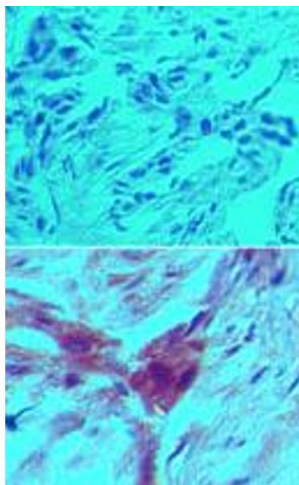
Product cited in: Jenkins, Swiatoniowski, Power, Lin: "Pseudomonas aeruginosa-induced human mast cell apoptosis is associated with up-regulation of endogenous Bcl-xS and down-regulation of Bcl-xL." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 177, Issue 11, pp. 8000-7, (2006) ([PubMed](#)).

Ko, Shen, Chen: "Hydroxylation at C4' or C6 is essential for apoptosis-inducing activity of flavanone through activation of the caspase-3 cascade and production of reactive oxygen species." in: **Free radical biology & medicine**, Vol. 36, Issue 7, pp. 897-910, (2004) ([PubMed](#)).

Liu, Lee, Hong, Wei: "Mitochondrial DNA mutation and depletion increase the susceptibility of human cells to apoptosis." in: **Annals of the New York Academy of Sciences**, Vol. 1011, pp. 133-45, (2004) ([PubMed](#)).

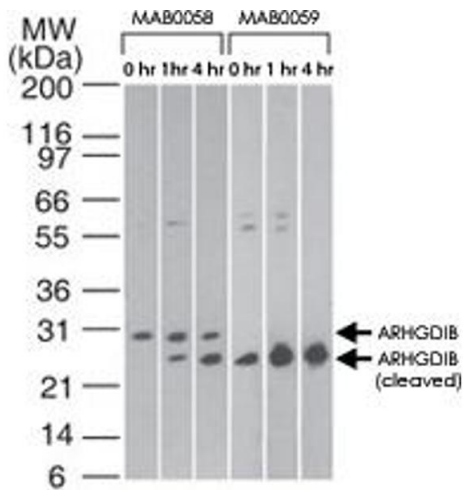
Jenkins, Swiatoniowski, Issekutz, Lin: "Pseudomonas aeruginosa exotoxin A induces human mast cell apoptosis by a caspase-8 and -3-dependent mechanism." in: **The Journal of biological chemistry**, Vol. 279, Issue 35, pp. 37201-7, (2004) ([PubMed](#)).

Chen, Shen, Lin: "Rutinoside at C7 attenuates the apoptosis-inducing activity of flavonoids." in: **Biochemical pharmacology**, Vol. 66, Issue 7, pp. 1139-50, (2003) ([PubMed](#)).



Immunohistochemistry

Image 1. Immunohistochemical analysis of ARHGDIB monoclonal antibody, clone 97A1015 in formalin-fixed, paraffin-embedded human breast tumor tissue using an isotype control (top) and ARHGDIB monoclonal antibody, clone 97A1015 (bottom) at 5 ug/mL .



Western Blotting

Image 2. Western blot analysis of ARHGDIB in Jurkat cells using ARHGDIB monoclonal antibody, clone 10D774 at 2 ug/mL and ARHGDIB monoclonal antibody, clone 97A1015 at 0.1 ug/mL. Cells were treated with 2 uM staurosporine for different time periods. ARHGDIB monoclonal antibody, clone 10D774 detects both the full-length and cleaved forms of ARHGDIB while ARHGDIB monoclonal antibody, clone 97A1015 specifically detects only the cleaved form of the protein.