

Datasheet for ABIN968611
anti-ARHGAP5 antibody (AA 1102-1214)[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	ARHGAP5
Binding Specificity:	AA 1102-1214
Reactivity:	Human, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ARHGAP5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human p190-B aa. 1102-1214
Clone:	54-P190
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus), Dog (Canine)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	ARHGAP5
Alternative Name:	p190-B (ARHGAP5 Products)
Background:	<p>GTPase activating proteins (GAPs) stimulate the GTP-hydrolyzing activity of GTPases, such as p21ras and Rho. p190-A is a Ras-GAP associated protein that is tyrosine phosphorylated in transformed and growth factor-stimulated cells. Ras-GAP and p190-A are targets of oncoproteins and growth factor receptors. p190-B is another Ras-GAP in the p190 family. It has 51% identity with p190-A and contains several GTPase-related domains in the N-terminal region and a Rho-GAP domain in the C-terminal region. p190-B is expressed in kidney, brain, liver, and lung, as well as in human foreskin fibroblasts, RD muscle cells, and HT-1080 cells. In fibroblasts, p190-B is localized diffusely in the cytoplasm and co-localizes with the alpha5beta1 integrin receptor for fibronectin. Adhesion of fibronectin-coated latex beads to cells leads to the recruitment of p190-B and Rho to the plasma membrane at sites of bead contact. In addition, the recombinant Rho-GAP domain of p190-B displays GAP activity for RhoA, Rac1, and G25K/CDC42Hs. Thus, p190-B is thought to act as a transmembrane link between integrins and Rho GTPases during fibronectin-induced changes in cell morphology and motility.</p>
Molecular Weight:	190 kDa
Pathways:	Regulation of Cell Size

Application Details

Comment:	Related Products: ABIN968533, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C

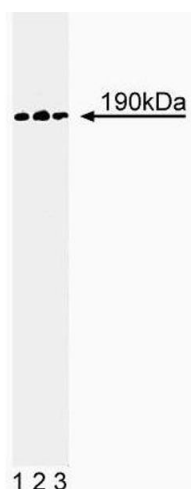
Storage Comment: Store undiluted at -20° C.

Publications

Product cited in: Burbelo, Finegold, Kozak, Yamada, Takami: "Cloning, genomic organization and chromosomal assignment of the mouse p190-B gene." in: **Biochimica et biophysica acta**, Vol. 1443, Issue 1-2, pp. 203-10, (1999) ([PubMed](#)).

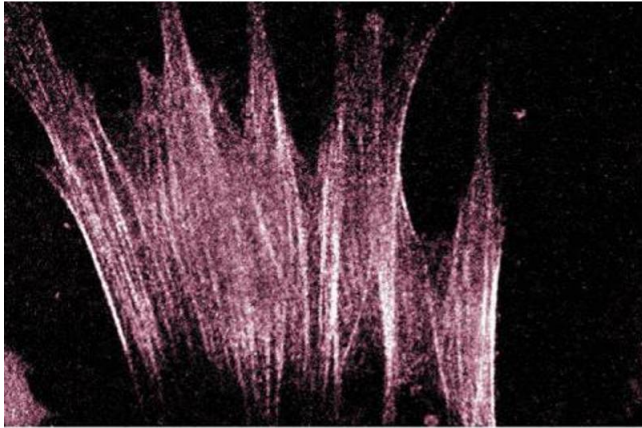
Burbelo, Miyamoto, Utani, Brill, Yamada, Hall, Yamada: "p190-B, a new member of the Rho GAP family, and Rho are induced to cluster after integrin cross-linking." in: **The Journal of biological chemistry**, Vol. 270, Issue 52, pp. 30919-26, (1996) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of p190-B on a A431 cell lysate (Human epithelial carcinoma, ATCC CRL-1555). Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of the mouse anti- p190-B antibody.



Immunofluorescence

Image 2. Immunofluorescence staining of human fibroblasts.