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anti-ARHGAP18 antibody (AA 389-577)





Overview

Quantity:	100 μg
Target:	ARHGAP18
Binding Specificity:	AA 389-577
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARHGAP18 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Rho GTPase-activating protein 18 protein (389-577AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	ARHGAP18
Alternative Name:	ARHGAP18 (ARHGAP18 Products)
Background:	Background: Rho GTPase activating protein that suppresses F-actin polymerization by
	inhibiting Rho. Rho GTPase activating proteins act by converting Rho-type GTPases to an

Target Details

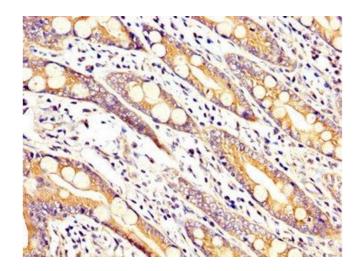
inactive GDP-bound state (PubMed:21865595). Plays a key role in tissue tension and 3D tissue shape by regulating cortical actomyosin network formation. Acts downstream of YAP1 and inhibits actin polymerization, which in turn reduces nuclear localization of YAP1 (PubMed:25778702). Regulates cell shape, spreading, and migration (PubMed:21865595). Aliases: 4833419J07Rik antibody, Al314906 antibody, Al843501 antibody, Arhgap18 antibody, bA307014.2 antibody, FLJ25728 antibody, MacGAP antibody, MGC126757 antibody, MGC138145 antibody, OTTHUMP00000017190 antibody, OTTMUSP00000028606 antibody, RHG18_HUMAN antibody, Rho GTPase-activating protein 18 antibody, Rho-type GTPase-activating protein 18 antibody, SENEX antibody

UniProt:

Q8N392

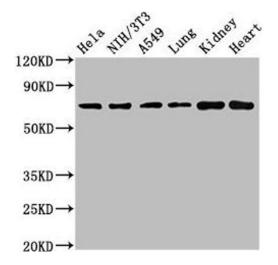
Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



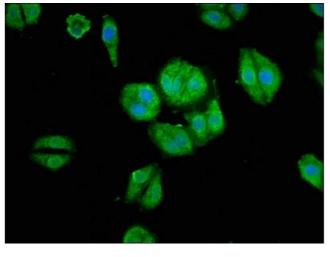
Immunohistochemistry

Image 1. IHC image of ABIN7167935 diluted at 1:200 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, NIH/3T3 whole cell lysate, A549 whole cell lysate, Rat lung tissue, Rat kidney tissue, Mouse heart tissue All lanes: ARHGAP18 antibody at $4.5\,\mu\text{g/mL}$ Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 75, 71 kDa Observed band size: 75 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7167935 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).