

Datasheet for ABIN7167994
anti-ARHGEF7 antibody (AA 1-250)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ARHGEF7
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARHGEF7 antibody is un-conjugated
Application:	ELISA, Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Rho guanine nucleotide exchange factor 7 protein (1-250AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ARHGEF7
Alternative Name:	ARHGEF7 (ARHGEF7 Products)
Background:	Background: Acts as a RAC1 guanine nucleotide exchange factor (GEF) and can induce membrane ruffling. Functions in cell migration, attachment and cell spreading. Promotes

Target Details

targeting of RAC1 to focal adhesions By similarity. May function as a positive regulator of apoptosis. Downstream of NMDA receptors and CaMKK-CaMK1 signaling cascade, promotes the formation of spines and synapses in hippocampal neurons.

Aliases: ARHG7 antibody, ARHG7_HUMAN antibody, ARHGEF 7 antibody, Arhgef7 antibody, Beta pix antibody, Beta-Pix antibody, betaPix antibody, betaPix-b antibody, betaPix-c antibody, Cool antibody, COOL-1 antibody, COOL1 antibody, DKFZp686C12170 antibody, DKFZp761K1021 antibody, KIAA0142 antibody, KIAA0412 antibody, mKIAA0142 antibody, Nbla10314 antibody, P50 antibody, P50BP antibody, p85 antibody, P85COOL1 antibody, P85SPR antibody, PAK interacting exchange factor beta antibody, PAK-interacting exchange factor beta antibody, PAK3 antibody, Pak3bp antibody, PIX antibody, PIXB antibody, Rho guanine nucleotide exchange factor (GEF) 7 antibody, Rho guanine nucleotide exchange factor (GEF) 7b antibody, Rho guanine nucleotide exchange factor (GEF7) antibody, Rho guanine nucleotide exchange factor 7 antibody, SH3 domain containing proline rich protein antibody

UniProt: [Q14155](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [EGFR Downregulation](#)

Application Details

Application Notes: Recommended dilution: IF:1:200-1:500, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

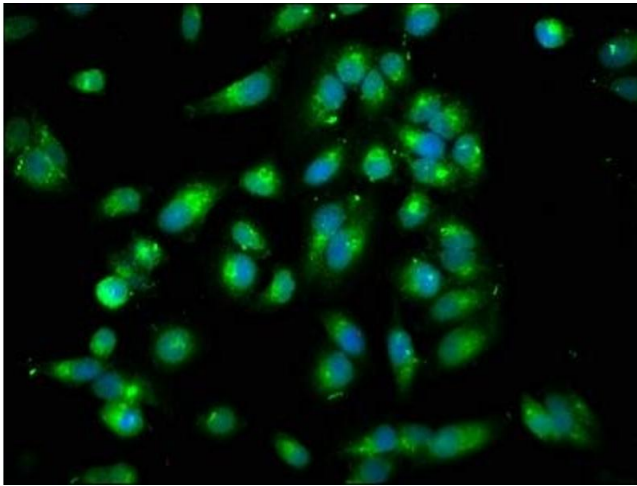
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

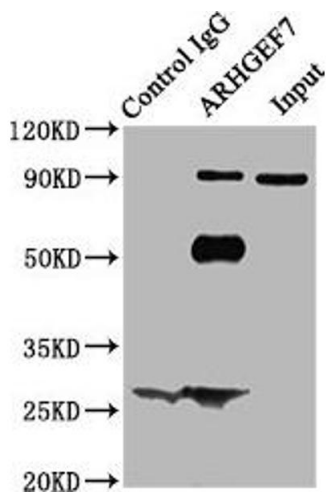
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HeLa cells with ABIN7167994 at 1:250, 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-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Immunoprecipitating ARHGEF7 in HeLa whole cell lysate. Lane 1: Rabbit control IgG (1 µg) instead of ABIN7167994 in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: ABIN7167994 (6 µg) + HeLa whole cell lysate (500 µg). Lane 3: HeLa whole cell lysate (10 µg).