

Rabbit anti-Human Rho guanine nucleotide exchange factor 7 Polyclonal Antibody | anti-ARHGEF7 antibody

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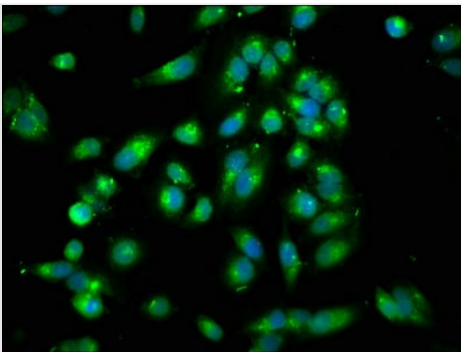
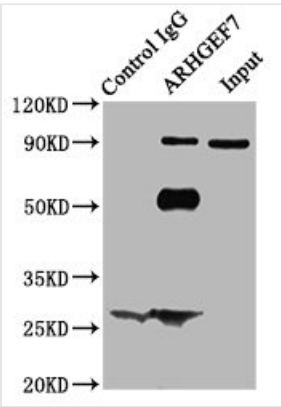
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA230588	Rabbit	Human	Western Blot, ELISA

PRODUCT SYNONYMS

Rho guanine nucleotide exchange factor 7; Polyclonal Antibody; Rabbit anti-Human Rho guanine nucleotide exchange factor 7 polyclonal Antibody; Beta-Pix; COOL-1; PAK-interacting exchange factor beta; p85; ARHGEF7; COOL1; KIAA0142; P85SPR; PAK3BP; PIXB ORF Names: Nbla10314; anti-ARHGEF7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	803
Applicable Applications for anti-ARHGEF7 antibody	WB (Western Blot), ELISA
Immunogen	Recombinant human Rho guanine nucleotide exchange factor 7 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10932 / sc-10931 / sc-25418
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.



IF (Immunofluorescence)
Immunofluorescence staining of HeLa cells with AAA230588 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

IP (Immunoprecipitation)
Immunoprecipitating ARHGEF7 in HeLa whole cell lysate. Lane 1: Rabbit control IgG (1ug) instead of AAA230588 in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: AAA230588 (6ug) + HeLa whole cell lysate (500ug). Lane 3: HeLa whole cell lysate (10ug).

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGEF7 antibody	Acts as a RAC1 guanine nucleotide exchange factor (GEF) and can induce membrane ruffling. Functions in cell migration, attachment and cell spreading. Promotes 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. Rho GTPases play a fundamental role in numerous cellular processes triggered by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It forms a complex with the small GTP binding protein Rac1 and recruits Rac1 to membrane ruffles and to focal adhesions. This protein can induce membrane ruffling. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Product Categories/Family for anti-ARHGEF7 antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	166064034
NCBI GeneID	8874
NCBI Accession #	NP_001106983.1
NCBI GenBank Nucleotide #	NM_001113511.1
UniProt Accession #	Q14155; Q3LIA4; Q5W9H0; Q6P9G3; Q6PII2; Q86W63; Q8N3M1; B1ALK6; B1ALK8
Molecular Weight	70,450 Da
NCBI Official Full Name	rho guanine nucleotide exchange factor 7 isoform c
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor 7
NCBI Official Symbol	ARHGEF7
NCBI Official Synonym Symbols	P50; P85; PAK3; PIXB; COOL1; P50BP; COOL-1; P85SPR; BETA-PIX; P85COOL1; Nbla10314
NCBI Protein Information	rho guanine nucleotide exchange factor 7
UniProt Protein Name	Rho guanine nucleotide exchange factor 7
UniProt Gene Name	ARHGEF7

UniProt Synonym Gene Names	COOL1; KIAA0142; P85SPR; PAK3BP; PIXB
UniProt Entry Name	ARHG7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rho-guanine-nucleotide-exchange-factor-7-antibody-western-blot-elisa/230588>