

Rabbit anti-Human, Mouse ARHGEF6 Polyclonal Antibody | anti-ARHGEF6 antibody

Anti-ARHGEF6 Antibody Picoband

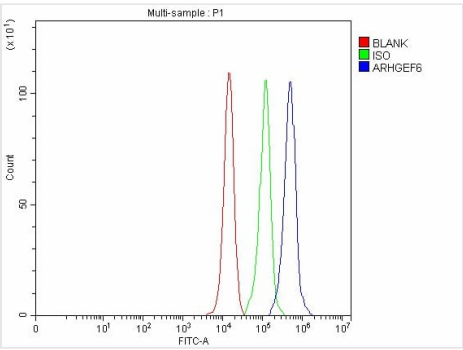
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127289	Rabbit	Human, Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

ARHGEF6; Polyclonal Antibody; Anti-ARHGEF6 Antibody Picoband; Rho guanine nucleotide exchange factor 6; Rac/Cdc42 guanine nucleotide exchange factor 6; COOL2; KIAA0006; PIXA; Alpha-Pix; COOL-2; PAK-interacting exchange factor alpha; anti-ARHGEF6 antibody

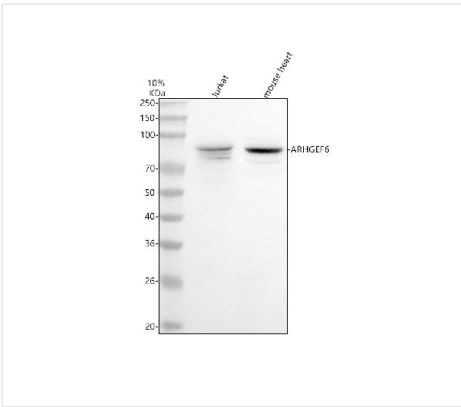
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-ARHGEF6 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human ARHGEF6 recombinant protein (Position: E54-R765). Human ARHGEF6 shares 91.2% and 91.3% amino acid (aa) sequence identity with mouse and rat ARHGEF6, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of PC-3 cells using anti-ARHGEF6 antibody (AAA127289). Overlay histogram showing PC-3 cells stained with AAA127289 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-ARHGEF6 Antibody (AAA127289, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of ARHGEF6 using anti-ARHGEF6 antibody (AAA127289). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: mouse heart tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ARHGEF6 antigen affinity purified polyclonal antibody (#AAA127289) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ARHGEF6 at approximately 87 kDa. The expected band size for ARHGEF6 is at 87 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGEF6 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-ARHGEF6 antibody	Primary Antibodies
References	1. Gallo, G., Letourneau, P. C. Axon guidance: GTPases help axons reach their targets. Curr. Biol. 8: R80-R82, 1998.2. Gedeon, A. K., Glass, I. A., Connor, J. M., Mulley, J. C. Genetic localisation of MRX27 to Xq24-26 defines another discrete gene for non-specific X-linked mental retardation. Am. J. Med. Genet. 64: 121-124, 1996.3. Hamosh, A. Personal Communication. Baltimore, Md. 11/21/2018.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22027525
NCBI GeneID	9459
NCBI Accession #	NP_004831.1
NCBI GenBank Nucleotide #	NM_004840.2
UniProt Accession #	Q15052; Q15396; Q5JQ66; Q7Z3W1; Q86XH0; A6NMW9; A8K6S7; B1AL37
Molecular Weight	87,499 Da
NCBI Official Full Name	rho guanine nucleotide exchange factor 6
NCBI Official Synonym Full Names	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6
NCBI Official Symbol	ARHGEF6
NCBI Official Synonym Symbols	PIXA; COOL2; MRX46; Cool-2; alphaPIX; alpha-PIX

NCBI Protein Information	rho guanine nucleotide exchange factor 6; PAK-interacting exchange factor alpha; PAK-interacting exchange factor, alpha; Rac/Cdc42 guanine exchange factor (GEF) 6; rac/Cdc42 guanine nucleotide exchange factor 6
UniProt Protein Name	Rho guanine nucleotide exchange factor 6
UniProt Gene Name	ARHGEF6
UniProt Synonym Gene Names	COOL2; KIAA0006; PIXA
UniProt Entry Name	ARHG6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/arhgef6-antibody-flow-cytometry-western-blot-elisa/127289>