

Rabbit anti-Human ARHGEF1 Polyclonal Antibody | anti-ARHGEF1 antibody

Anti-ARHGEF1 Antibody, Rabbit Polyclonal

CATALOG # AAA256821	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

ARHGEF1; Polyclonal Antibody; Anti-ARHGEF1 Antibody; Rabbit Polyclonal; ARHGEF1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-GEF1 Antibody; Anti-LBCL2 Antibody; Anti-LSC Antibody; Anti-P115-RHOGEF Antibody; Anti-SUB1.5 Antibody; anti-ARHGEF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ARHGEF1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-ARHGEF1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human ARHGEF1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human ARHGEF1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of ARHGEF1 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human ARHGEF1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm and cell membrane.



IHC (Immunohistochemistry)

Immunochemical staining of human ARHGEF1 in human spleen with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGEF1 antibody	ARHGEF1 is a RhoA-specific guanine nucleotide exchange factor expressed in hematopoietic cells. ARHGEF1 regulates signaling by both G protein-coupled receptors and RhoA, and, consequently, is required for appropriate migration and adhesion of diverse leukocyte populations. ARHGEF1 promotes F-actin polymerization in neurons, probably through inhibiting the activity of the actin-depolymerizing factor cofilin. ARHGEF1 functions as a negative regulator of neurite outgrowth through regulating RhoA-cofilin pathway and actin dynamics.
References	Xiang X, et al. (2016) Arhgef1 negatively regulates neurite outgrowth through activation of rhoa signaling pathways. FEBS Lett 590 (17): 2940-2955.Brown JP, et al. (2007) Arhgef1 is required by t cells for the development of airway hyperreactivity and inflammation. Am J Respir Crit Care Med 176 (1): 10-19.Bouafia A, et al. (2019) Loss of arhgef1 causes a human primary antibody deficiency. J Clin Invest 129 (3): 1047-1060.

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/arhgef1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256821>