

Rabbit ARHGEF1 Polyclonal Antibody | anti-ARHGEF1 antibody

ARHGEF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325080	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

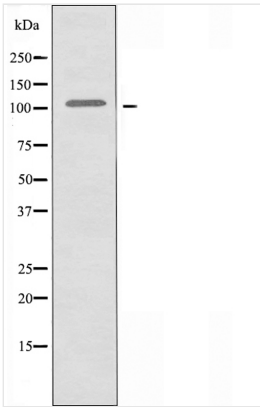
PRODUCT SYNONYMS

ARHGEF1; Polyclonal Antibody; ARHGEF1 Antibody; 115 kD protein; 115 kDa guanine nucleotide exchange factor; ARHG1_HUMAN; ARHGEF 1; GEF 1; GEF1; LBCL 2; LBCL2; LSC; Lsc homolog; p115 RhoGEF; p115-RhoGEF; p115RhoGEF; Rho guanine nucleotide exchange factor (GEF) 1; Rho guanine nucleotide exchange factor 1; Sub1.5; anti-ARHGEF1 antibody

PRODUCT SPECIFICATIONS

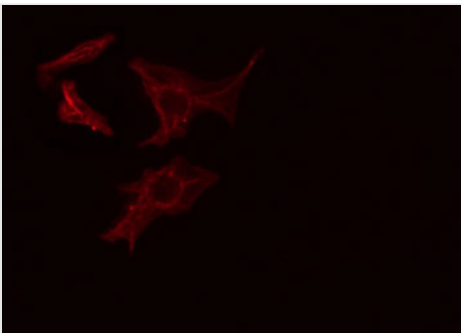
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ARHGEF1 antibody detects endogenous levels of total ARHGEF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	912
Applicable Applications for anti-ARHGEF1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Membrane. Translocated to the membrane by activated GNA13 or LPA stimulation.
Tissue Specificity	Ubiquitously expressed.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog
Similarity	Pig (85%), Bovine (92%), Sheep (92%), Dog (85%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO205 using ARHGEF1 antibody.



IF (Immunofluorescence)

AAA325080 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGEF1 antibody	Function: Seems to play a role in the regulation of RhoA GTPase by guanine nucleotide-binding alpha-12 (GNA12) and alpha-13 (GNA13) subunits. Acts as GTPase-activating protein (GAP) for GNA12 and GNA13, and as guanine nucleotide exchange factor (GEF) for RhoA GTPase. Activated G alpha 13/GNA13 stimulates the RhoGEF activity through interaction with the RGS-like domain. This GEF activity is inhibited by binding to activated GNA12. Mediates angiotensin-2-induced RhoA activation. Subunit Structure: Interacts with RHOA, GNA12 and GNA13. Homooligomerizes through the coiled coil region. May interact with CCPG1 (By similarity). Interacts with CTNNAL1. Post-translational Modifications: Phosphorylated by PKCA. Angiotensin-2 induced Tyr-738 phosphorylation is mediated by JAK2. Similarity: The RGSL domain, also known as rgRGS domain, is necessary but not sufficient for GAP activity.The DH domain is involved in interaction with CCPG1.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	15011972
NCBI GeneID	9138
NCBI Accession #	NP_004697.2
NCBI GenBank Nucleotide #	NM_004706.3
UniProt Accession #	Q92888; O00513; Q6NX52; Q8N4J4; Q96BF4; Q96F17; Q9BSB1
Molecular Weight	Observed: 105 kD Predicted: 103 kDa
NCBI Official Full Name	rho guanine nucleotide exchange factor 1 isoform 2
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor 1
NCBI Official Symbol	ARHGEF1
NCBI Official Synonym Symbols	LSC; GEF1; LBCL2; SUB1.5; P115-RHOGEF
NCBI Protein Information	rho guanine nucleotide exchange factor 1
UniProt Protein Name	Rho guanine nucleotide exchange factor 1
UniProt Gene Name	ARHGEF1
UniProt Synonym Gene Names	p115-RhoGEF; p115RhoGEF

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-immunocytochemistry-immunofluorescence-western-blot-elisa/325080>