

Rabbit ARHGAP1 Polyclonal Antibody | anti-ARHGAP1 antibody

ARHGAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322477	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ARHGAP1; Polyclonal Antibody; ARHGAP1 Antibody; ARHGAP 1; Arhgap1; CDC42 GTPase activating protein; Cdc42 GTPase-activating protein; CDC42GAP; GTPase activating protein rhoOGAP; GTPase-activating protein rhoOGAP; GTPase-activating protein; Rho; 1; OTTHUMP00000233485; OTTHUMP00000233486; p50 RhoGAP; p50-RhoGAP; p50rhoGAP; RHG01_HUMAN; Rho GTPase activating protein 1; Rho GTPase-activating protein 1; Rho related small GTPase protein activator; Rho type GTPase activating protein 1; Rho-related small GTPase protein activator; Rho-type GTPase-activating protein 1; RHOGAP; RHOGAP1; anti-ARHGAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ARHGAP1 antibody detects endogenous levels of total ARHGAP1
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	439
Applicable Applications for anti-ARHGAP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ARHGAP1
Subcellular Location	Cytoplasm.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (92%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322477 staining HeLa 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) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of ARHGAP1 using HeLa whole cell lysates



IHC (Immunohistochemistry)

AAA322477 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGAP1 antibody

Function: GTPase activator for the Rho, Rac and Cdc42 proteins, converting them to the putatively inactive GDP-bound state. Cdc42 seems to be the preferred substrate.
Subunit Structure: Found in a complex with XPO7, EIF4A1, ARHGAP1, VPS26A, VPS29, VPS35 and SFN.
Interacts with BNIPL.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757766
NCBI GeneID	392
NCBI Accession #	NP_004299.1
NCBI GenBank Nucleotide #	NM_004308.4
UniProt Accession #	Q07960; D3DQQ6
Molecular Weight	Observed: 50 kDa Predicted: 51 kDa
NCBI Official Full Name	rho GTPase-activating protein 1
NCBI Official Synonym Full Names	Rho GTPase activating protein 1
NCBI Official Symbol	ARHGAP1
NCBI Official Synonym Symbols	RHOGAP; RHOGAP1; CDC42GAP; p50rhoGAP
NCBI Protein Information	rho GTPase-activating protein 1
UniProt Protein Name	Rho GTPase-activating protein 1
UniProt Gene Name	ARHGAP1
UniProt Synonym Gene Names	CDC42GAP; RHOGAP1

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.