

Rabbit Rho A + B + C Polyclonal Antibody | anti-RHOC antibody

Rho A + B + C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323696	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

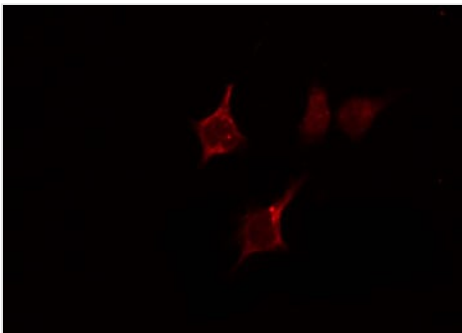
PRODUCT SYNONYMS

Rho A + B + C; Polyclonal Antibody; Rho A + B + C Antibody; ARH12; ARHA; H12; ras homolog gene family member A; ras homolog gene family member B; ras homolog gene family member C; Rho cDNA clone 12; RHO12; RHOA; RHOA_HUMAN; rhob; rhoc; RHOH12; Small GTP binding protein RhoA; Transforming protein RhoA; Aplysia ras related homolog 12; H 12; Oncogene RHO H12; Ras homolog family member A; Ras homolog gene family member A; Rho A; RHO H12; Small GTP binding protein Rho A; Transforming protein Rho A; Aplysia RAS-related homolog 6; ARH6; ARHB; H6; MST081; MSTP081; oncogene RHO H6; ras homolog family member B; ras homolog gene family; member B; Rho cDNA clone 6; Rho related GTP binding protein RhoB Precursor; Rho-related GTP-binding protein RhoB; Rhob; RHOB_HUMAN; RHOH6; anti-RHOC antibody

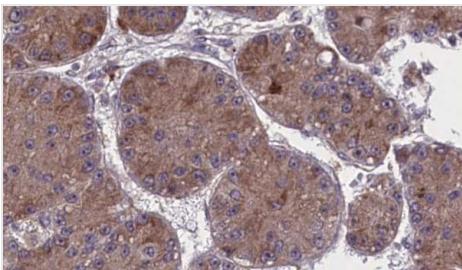
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Rho A + B + C antibody detects endogenous levels of total Rho A + B + C
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	193
Applicable Applications for anti-RHOC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Rho A + B + C
Subcellular Location	Cell Membrane
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

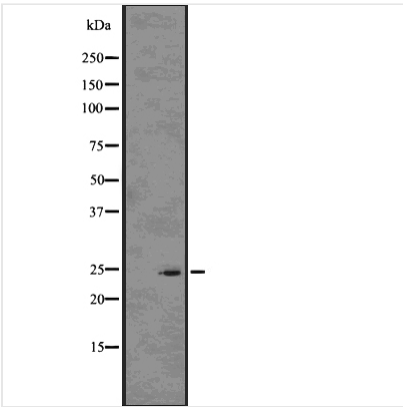
IMAGES



IF (Immunofluorescence)
AAA323696 staining HepG2 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.



IHC (Immunohistochemistry)
AAA323696 at 1/100 staining Human liver cancer 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.



WB (Western Blot)
Western blot analysis of Rho A + B + C using HUVEC whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-RHOC antibody	Function: Regulates a signal transduction pathway linking plasma membrane receptors to the assembly of focal adhesions and actin stress fibers. Serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Regulates apical junction formation in bronchial epithelial cells. Subunit Structure: Interacts with RTKN (By similarity). Interacts with AKAP13 (PubMed:11546812). Interacts with DIAPH1 (PubMed:15864301). Interacts with PKN2 (PubMed:20974804). Interacts with ROCK1 and ROCK2 (PubMed:8816443). Interacts with ARHGDIA (PubMed:20400958). Interacts with RIPOR1 (PubMed:27807006). Post-translational Modifications: (Microbial infection) Glycosylated at Tyr-34 by Photorhabdus asymbiotica toxin PAU_02230. Mono-O-GlcNAcylation by PAU_02230 inhibits downstream signaling by an impaired interaction with diverse regulator and effector proteins of Rho and leads to actin disassembly. Similarity: Belongs to the small GTPase superfamily. Rho family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	111494248
NCBI GeneID	389
NCBI Accession #	NP_001036143.1
NCBI GenBank Nucleotide #	NM_001042678.1
UniProt Accession #	P08134; Q6ICN3; B3KSW1
Molecular Weight	Observed: 24 kDa Predicted: 23 kDa

NCBI Official Full Name	rho-related GTP-binding protein RhoC
NCBI Official Synonym Full Names	ras homolog family member C
NCBI Official Symbol	RHOC
NCBI Official Synonym Symbols	H9; ARH9; ARHC; RHOH9
NCBI Protein Information	rho-related GTP-binding protein RhoC
UniProt Protein Name	Rho-related GTP-binding protein RhoC
UniProt Gene Name	RHOC
UniProt Synonym Gene Names	ARH9; ARHC; h9

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-a-b-c-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323696>