

Rabbit anti-Human RhoA Polyclonal Antibody | anti-RHOA antibody

Anti-RhoA Antibody, Rabbit Polyclonal

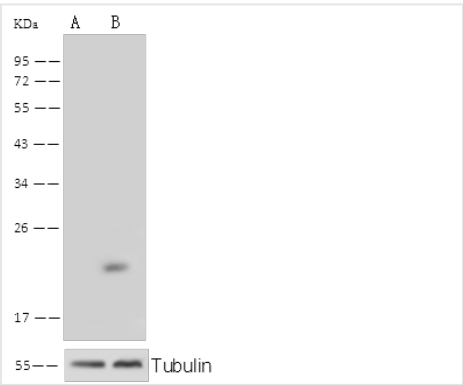
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255575	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

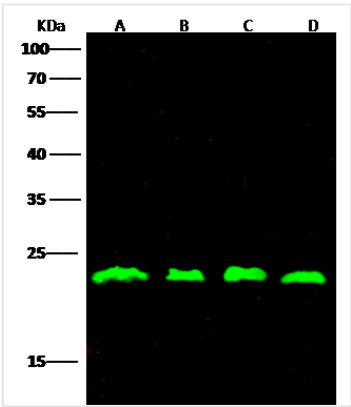
RhoA; Polyclonal Antibody; Anti-RhoA Antibody; Rabbit Polyclonal; RhoA Antibody; Rabbit PAb; Antigen Affinity Purified; ras homolog family member A; Anti-ARH12 Antibody; Anti-ARHA Antibody; Anti-RHO12 Antibody; Anti-RHOH12 Antibody; anti-RHOA antibody

PRODUCT SPECIFICATIONS

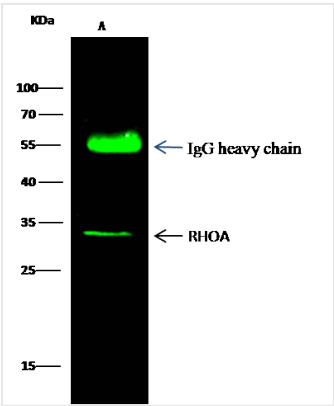
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RhoA
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-RHOA antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human RhoA protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human RhoA (rh RhoA). RhoA specific IgG was purified by Human RhoA 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. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-RHOA rabbit polyclonal antibody at 1:500 dilutionLane A: RHOA konckout HeLa Whole Cell LysateLane B: HeLa Whole Cell LysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:21 kDaObserved band size:21 kDa



WB (Western Blot)
Anti-RHOA rabbit polyclonal antibody at 1:500 dilutionLane A: HL60 Whole Cell LysateLane B: MCF7 Whole Cell LysateLane C: HeLa Whole Cell LysateLane D: SKBR3 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:22 kDaObserved band size:18 kDa



IP (Immunoprecipitation)
RHOA was immunoprecipitated using:Lane A:0.5 mg MCF-7 Whole Cell Lysate2 uL anti-RHOA rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-RHOA rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odyssey technique.Performed under reducing conditions.Predicted band size: 21 kDaObserved band size: 21 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RHOA antibody	Transforming protein RhoA, also known as Rho cDNA clone 12, Ras homolog gene family member A, RHOA and ARH12, is a cell membrane and cytoplasm protein that belongs to the small GTPase superfamily and Rho family. The Rho family of small GTPases plays a key role in the dynamic regulation of the actin cytoskeleton that underlies various important cellular functions such as shape changes, migration, and polarity. RHOA/ARH12 is part of a larger family of related proteins known as the Ras superfamily; proteins involved in the regulation and timing of cell division. RHOA/ARH12 is a small GTPase protein known to regulate the actin cytoskeleton in the formation of stress fibers. It acts upon two known effector proteins: ROCK1 (Rho-associated, coiled-coil containing protein kinase 1) and DIAPH1 (diaphanous homolog 1 (Drosophila)). RHOA/ARH12 regulates a signal transduction pathway linking plasma membrane receptors to the assembly of focal adhesions and actin stress fibers. RHOA/ARH12 serves as a target for the yopT cysteine peptidase from Yersinia pestis, vector of the plague, and Yersinia pseudotuberculosis, which causes gastrointestinal disorders. RHOA/ARH12 may be an activator of PLCE1. It is activated by ARHGEF2, which promotes the exchange of GDP for GTP.
Product Categories/Family for anti-RHOA antibody	EGFR Signaling Pathway

References	Kiss C, et al., 1997, Cytogenet. Cell Genet. 79 (3-4): 228-30. Anastasiadis, P.Z. et al., 2000, Nat Cell Biol. 2 (9):637-44. Yiu G, et al., 2006, Nat. Rev. Neurosci. 7 (8): 617-27. Wang, HR. et al., 2006, Methods Enzymol. 406 :437-47. Heo, J. et al., 2006, Biochemistry. 45 (48):14481-9.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47606458
NCBI GeneID	387
UniProt Accession #	P61586; P06749; Q53HM4; Q5U024; Q9UDJ0; Q9UEJ4
Molecular Weight	193
NCBI Official Full Name	Transforming protein RhoA
NCBI Official Synonym Full Names	ras homolog family member A
NCBI Official Symbol	RHOA
NCBI Official Synonym Symbols	ARHA; ARH12; RHO12; RHOH12
NCBI Protein Information	transforming protein RhoA; h12; oncogene RHO H12; rho cDNA clone 12; Aplysia ras-related homolog 12; small GTP binding protein RhoA; ras homolog gene family, member A
UniProt Protein Name	Transforming protein RhoA
UniProt Gene Name	RHOA
UniProt Synonym Gene Names	ARH12; ARHA; RHO12; h12
UniProt Entry Name	RHOA_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rhoa-antibody-immunoprecipitation-western-blot-elisa/255575>