

Rabbit CDC42 Polyclonal Antibody | anti-CDC42 antibody

Anti-CDC42 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44968	Rabbit	Human, Bovin, Mouse, Rat	Immunohistochemistry, Western Blot

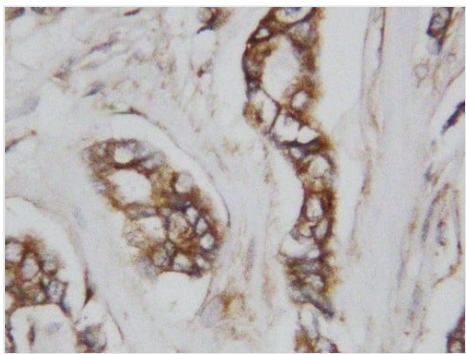
PRODUCT SYNONYMS

CDC42; Polyclonal Antibody; Anti-CDC42 antibody; Cell division control protein 42 homolog(Cdc42 homolog); cell division cycle 42(GTP binding protein; 25kDa); CDC 42 antibody; CDC42 antibody; CDC42_HUMAN antibody; CDC42Hs antibody; Cell division control protein 42 homolog antibody; Cell division cycle 42(GTP binding protein 25kDa) antibody; Cell division cycle 42 antibody; Cell division cycle 42 isoform 1 antibody; Cell division cycle 42 isoform 2 antibody; dJ224A6.1.1(cell division cycle 42(GTP-binding protein; 25kD)) antibody; dJ224A6.1.1 antibody; dJ224A6.1.2(cell division cycle 42(GTP-binding protein; dJ224A6.1.2 antibody; G25K antibody; G25K GTP binding protein antibody; G25K GTP-binding protein antibody; Growth regulating protein antibody; GTP binding protein 25kD antibody; GTP binding protein 25kDa antibody; Small GTP binding protein CDC42 antibody; anti-CDC42 antibody

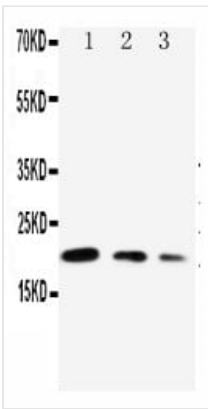
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Bovin, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	191
Applicable Applications for anti-CDC42 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human CDC42 (121-138aa DDPSTIEKLAKNKQKPIT), identical to the related mouse and rat sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-CDC42 antibody, AAA44968, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-CDC42 antibody, AAA44968, Western blottingLane 1: Recombinant Human CDC42 Protein 10ngLane 2: Recombinant Human CDC42 Protein 5ngLane 3: Recombinant Human CDC42 Protein 2.5ng

ADDITIONAL INFORMATION

Related Product Information for anti-CDC42 antibody	Description: Rabbit IgG polyclonal antibody for Cell division control protein 42 homolog(CDC42) detection. Tested with WB, IHC-P in Human, Bovin, Mouse, Rat. Background: Cell division control protein 42 homolog also known as CDC42 is a protein involved in regulation of the cell cycle. In humans, CDC42 is encoded by the CDC42 gene. CDC42 is a small GTPase of the Rho-subfamily, which regulates signaling pathways that control diverse cellular functions including cell morphology, migration, endocytosis and cell cycle progression. This protein is highly similar to Saccharomyces cerevisiae Cdc 42, and is able to complement the yeast cdc42-1 mutant. The product of oncogene Dbl was reported to specifically catalyze the dissociation of GDP from this protein. This protein could regulate actin polymerization through its direct binding to Neural Wiskott-Aldrich syndrome protein(N-WASP), which subsequently activates Arp2/3 complex. Alternative splicing of this gene results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	322510015
NCBI GeneID	998
UniProt Accession #	P60953; P21181; P25763; Q7L8R5; Q9UDI2
Molecular Weight	21,311 Da
NCBI Official Full Name	Cell division control protein 42 homolog
NCBI Official Synonym Full Names	cell division cycle 42
NCBI Official Symbol	CDC42
NCBI Official Synonym Symbols	G25K; CDC42Hs
NCBI Protein Information	cell division control protein 42 homolog; G25K GTP-binding protein; GTP-binding protein, 25kD; growth-regulating protein; GTP binding protein, 25kDa; small GTP binding protein CDC42; dJ224A6.1.1 (cell division cycle 42 (GTP-binding protein, 25kD)); dJ224A6.1.2 (cell division cycle 42 (GTP-binding protein, 25kD))
UniProt Protein Name	Cell division control protein 42 homolog
UniProt Gene Name	CDC42
UniProt Entry Name	CDC42_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.

