

Rabbit CDC42 Polyclonal Antibody | anti-CDC42 antibody

CDC42 Antibody

CATALOG # AAA170497	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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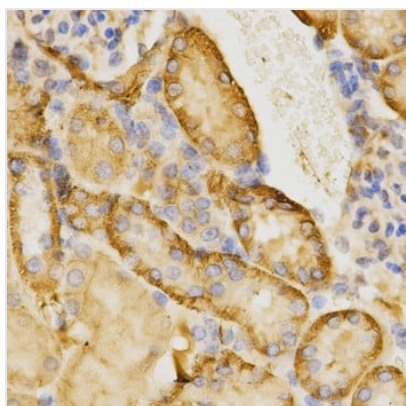
PRODUCT SYNONYMS

CDC42; Polyclonal Antibody; CDC42 Antibody; CDC42Hs; G25K; anti-CDC42 antibody

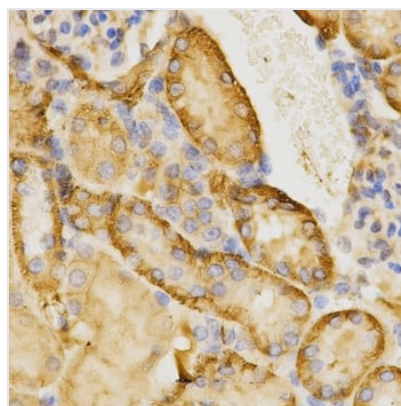
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	191
Applicable Applications for anti-CDC42 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CDC42
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-34314 / sc-6083 / sc-34315 / sc-87
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

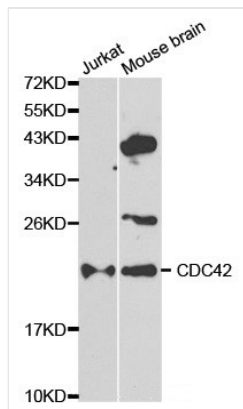
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded mouse kidney using CDC42 antibody at dilution of 1:200 (x400 lens)



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human kidney using CDC42 antibody at dilution of 1:200 (x400 lens)



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CDC42 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC42 antibody

Rac and Cdc42 are members of the Rho-GTPase family. In mammals, Rac exists as three isoforms, Rac1, Rac2 and Rac3, which are highly similar in sequence. Rac1 and Cdc42, the most widely studied of this group, are ubiquitously expressed. Rac2 is expressed in cells of hematopoietic origin, and Rac3, while highly expressed in brain, is also found in many other tissues. Rac and Cdc42 play key signaling roles in cytoskeletal reorganization, membrane trafficking, transcriptional regulation, cell growth and development (1). GTP binding stimulates the activity of Rac/Cdc42, and the hydrolysis of GTP to GDP through the protein's intrinsic GTPase activity, rendering it inactive. GTP hydrolysis is aided by GTPase activating proteins (GAPs), while exchange of GDP for GTP is facilitated by guanine nucleotide exchange factors (GEFs). Another level of regulation is achieved through the binding of RhoGDI, a guanine nucleotide dissociation inhibitor, which retains Rho family GTPases, including Rac and Cdc42, in their inactive GDP-bound state (2, 3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	325297058
NCBI GeneID	100533306
NCBI Accession #	NP_001191533.1
NCBI GenBank Nucleotide #	NM_001204604.1
NCBI Official Full Name	Cdc42
NCBI Official Symbol	LOC100533306
NCBI Protein Information	Cdc42

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://www.aaabiotech.com/polyclonal/cdc42-antibody-immunohistochemistry-western-blot-elisa/170497>