



[Go to Product page](#)

Datasheet for ABIN7147282  
**anti-CDC42 antibody (AA 2-188) (Biotin)**

### Overview

Quantity:	100 µg
Target:	CDC42
Binding Specificity:	AA 2-188
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC42 antibody is conjugated to Biotin
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Cell division control protein 42 homolog protein (2-188AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	CDC42
Alternative Name:	CDC42 ( <a href="#">CDC42 Products</a> )
Background:	Background: Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. In active state binds to a variety of effector

## Target Details

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proteins to regulate cellular responses. Involved in epithelial cell polarization processes. Regulates the bipolar attachment of spindle microtubules to kinetochores before chromosome congression in metaphase. Plays a role in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia. Mediates CDC42-dependent cell migration. Aliases: CDC42 antibody, CDC42\_HUMAN antibody, CDC42Hs antibody, Cell division control protein 42 homolog antibody, Cell division cycle 42 (GTP binding protein 25 kDa) antibody, Cell division cycle 42 antibody, dJ224A6.1.1 (cell division cycle 42 (GTP-binding protein, 25kD)) antibody, dJ224A6.1.2 (cell division cycle 42 (GTP-binding protein, 25kD)) antibody, G25K antibody, G25K GTP-binding protein antibody, Growth regulating protein antibody, GTP binding protein 25 kDa antibody, Small GTP binding protein CDC42 antibody, TKS antibody

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UniProt: [P60953](#)

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Pathways: [MAPK Signaling](#), [Microtubule Dynamics](#), [RTK Signaling](#), [WNT Signaling](#), [TCR Signaling](#), [EGFR Signaling Pathway](#), [Regulation of Actin Filament Polymerization](#), [Regulation of Muscle Cell Differentiation](#), [Cell-Cell Junction Organization](#), [Maintenance of Protein Location](#), [Skeletal Muscle Fiber Development](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [EGFR Downregulation](#), [VEGF Signaling](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.