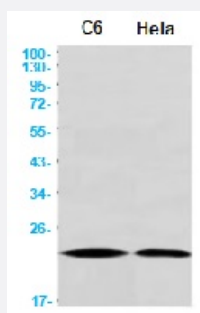


RecomAb™

# CDC42 recombinant monoclonal antibody, clone R01-1C7

Catalog # RAB01518      Size 100 uL

## Applications



### Western Blot

Western blot analysis of CDC42 in C6, HeLa lysates using human CDC42 recombinant monoclonal antibody, clone R01-1C7 (Cat # RAB01518).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human CDC42.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to human CDC42
<b>Theoretical MW (kDa)</b>	Calculated MW: 21 kD
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at 4°C for short term. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of CDC42 in C6, Hela lysates using human CDC42 recombinant monoclonal antibody, clone R01-1C7 (Cat # RAB01518).

## Gene Info — CDC42

**Entrez GeneID**[998](#)**Protein Accession#**[P60953](#)**Gene Name**

CDC42

**Gene Alias**

CDC42Hs, G25K

**Gene Description**

cell division cycle 42 (GTP binding protein, 25kDa)

**Omim ID**[116952](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene 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. [provided by RefSeq]

**Other Designations**

GTP-binding protein, 25kD|OTTHUMP00000002834|OTTHUMP00000002926|cell division cycle 42|cell division cycle 42 (GTP binding protein, 25kD)|cell division cycle 42 (GTP-binding protein, 25kD)|dJ224A6.1.1 (cell division cycle 42 (GTP-binding protein, 25kD))|d

## Pathway

- [Adherens junction](#)

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Endocytosis](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [GnRH signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)
- [Tight junction](#)
- [VEGF signaling pathway](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [Multiple Sclerosis](#)
- [Parkinson disease](#)