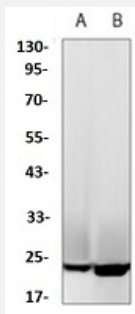


RecomAb™

## CDC42 recombinant monoclonal antibody

Catalog # RAB02482      Size 100 uL

### Applications



#### Western Blot (Cell lysate)

Western blot analysis of C6 (A), HeLa (B) whole cell lysates with CDC42 recombinant monoclonal antibody (Cat # RAB02482).

### Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CDC42.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein of human CDC42.
Theoretical MW (kDa)	21
Reactivity	Human, Rat
Specificity	Recognizes endogenous levels of CDC42 protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at 4°C short term.  
Aliquot and store at -20°C long term.  
Avoid freeze-thaw cycles.

**Note**

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

## Applications

- Western Blot (Cell lysate)

Western blot analysis of C6 (A), Hela (B) whole cell lysates with CDC42 recombinant monoclonal antibody (Cat # RAB02482).

## 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](#)