

CDC42 Rabbit pAb

Catalog No.: A15657

Basic Information

Observed MW

Calculated MW

21kDa

Category

Primary antibody

Applications

ELISA,IF/ICC

Cross-Reactivity

Human

Background

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. Pseudogenes of this gene have been identified on chromosomes 3, 4, 5, 7, 8 and 20.

Recommended Dilutions

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

998

Swiss Prot

P60953

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-186 of human CDC42 (NP_001782.1).

Synonyms

TKS; G25K; CDC42Hs; CDC42

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

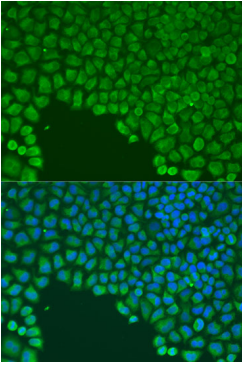
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Immunofluorescence analysis of U2OS cells using CDC42 antibody (A15657) at dilution of 1:100. Blue: DAPI for nuclear staining.