

CDC42 Antibody

Catalog No: #32214

Package Size: #32214-1 50ul #32214-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

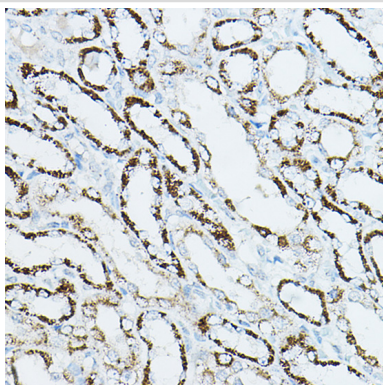
Description

Product Name	CDC42 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total CDC42 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human CDC42 (NP_001782.1).
Target Name	CDC42
Other Names	CDC42;CDC42Hs;G25K;TKS
Accession No.	Uniprot:P60953GeneID:998
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GeneID	998
SDS-PAGE MW	21KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

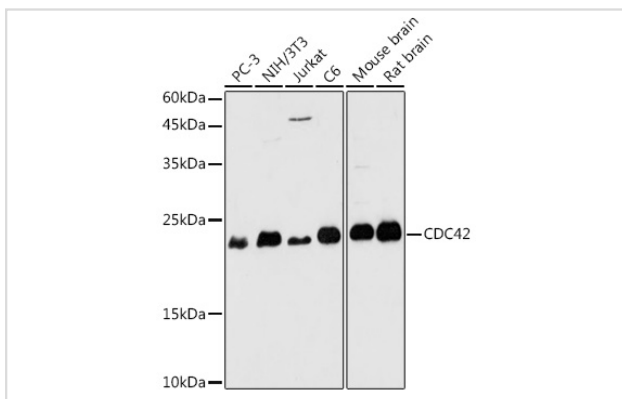
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

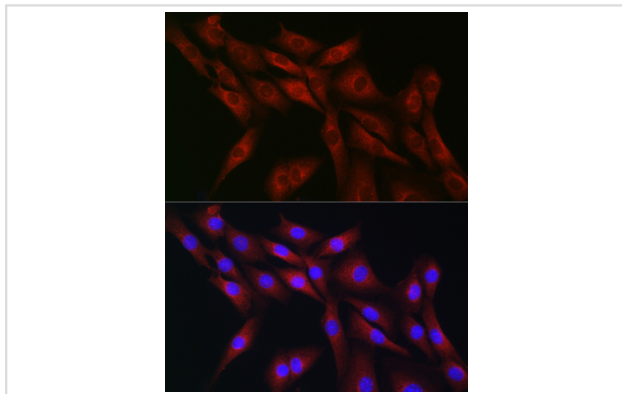
Images



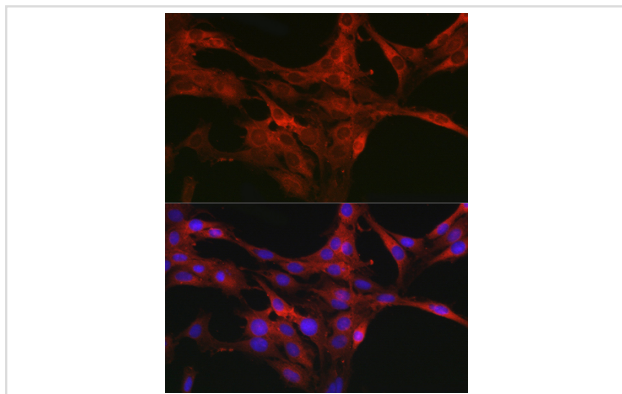
Immunohistochemistry of paraffin-embedded rat kidney using CDC42 Rabbit pAb.



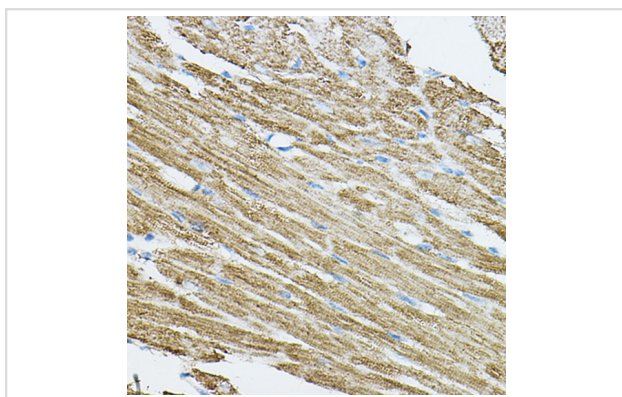
Western blot analysis of extracts of various cell lines, using CDC42 antibody.



Immunofluorescence analysis of NIH-3T3 cells using CDC42 Rabbit pAb.



Immunofluorescence analysis of C6 cells using CDC42 Rabbit pAb.



Immunohistochemistry of paraffin-embedded mouse heart using CDC42 Rabbit pAb.

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.

Note: This product is for in vitro research use only