



[Go to Product page](#)

Datasheet for ABIN745300
anti-CDC42 antibody (pSer71) (Biotin)

Overview

Quantity:	100 µL
Target:	CDC42
Binding Specificity:	pSer71
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC42 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human CDC42 around the phosphorylation site of Ser71
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Sheep
Purification:	Purified by Protein A.

Target Details

Target:	CDC42
Alternative Name:	CDC42 (CDC42 Products)

Target Details

Background: Synonyms: CDC 42, CDC42Hs, Cell division control protein 42 homolog, Cell division cycle 42, Cell division cycle 42 isoform 1, Cell division cycle 42 isoform 2, dJ224A6.1.1, dJ224A6.1.2, G25K, G25K GTP binding protein, Growth regulating protein, GTP binding protein 25kD, Small GTP binding protein CDC42.

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. [provided by RefSeq, Apr 2013].

Gene ID: 998

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

Application Notes: WB 1:300-5000
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months