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Datasheet for ABIN7384430 **anti-CDC42 antibody**

Overview

Quantity:	50 µL
Target:	CDC42
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CDC42 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Clone:	R01-1C7
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	CDC42
Alternative Name:	CDC42 (CDC42 Products)
Background:	<p>CDC42,CDC42Hs,G25K,TKS,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.</p> <p>The product of oncogene Dbl was reported to specifically catalyze the dissociation of GDP from</p>

Target Details

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.

Molecular Weight: Observed_MW: 21kDa
Calculated_MW: 21kDa

Gene ID: 998

UniProt: [P60953](#)

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 1:1000-1:2000

Restrictions: For Research Use only

Handling

Concentration: 300 µg/mL

Buffer: 50 mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40 % Glycerol, 0.01 % Sodium azide and 0.05 % BSA

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

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