Product datasheet

Anti-CDC42 (Phospho-Ser71) Antibody (Clone#IBB-3)

Catalog Number: *BM4794*

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Basic Information

Product Name	Anti-CDC42 (Phospho-Ser71) Antibody (Clone#IBB-3)
Gene Name	CDC42
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Phospho-Rac1/Cdc42 (Ser71)
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	21 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Cell division control protein 42 homolog also known as CDC42 is a protein involved in regulation of the cell cycle. In humans, CDC42 is encoded by the CDC42 gene.CDC42 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.

Selected Validation Data

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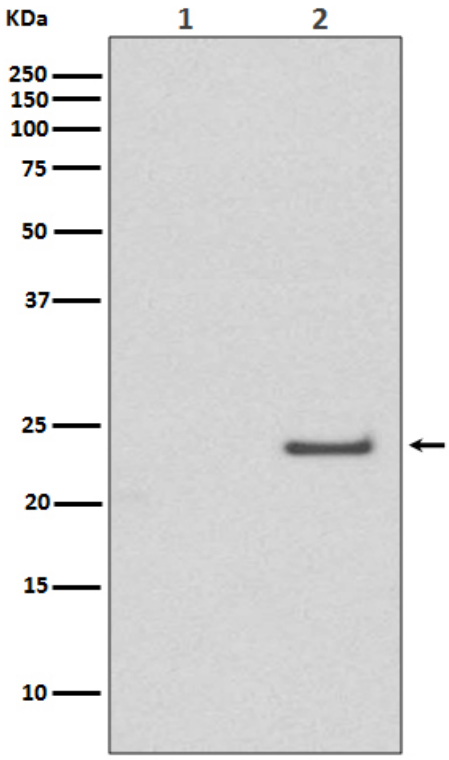

Western blot analysis of Phospho-Rac1/Cdc42 (Ser71) expression in (1) A431 cell lysate treated with LP; (2) A431 cell lysate.