Product Information Sheet

Polyclonal Anti- Cell division control protein 42 homolog, *CDC42*

Catalogue No. PA1366

Lot No. 0131112016627

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human, rat, mouse, bovine.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunohistochemistry(F)

Immunocytochemistry

To reorder contact us at:

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Immunogen

A synthetic peptide corresponding to a sequence at the middle region of human CDC42 (121-138aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat, Ms, Bovine	-	-
IHC-P	1µg/ml	Hu, Rat	Ms	By Heat
IHC-F	1µg/ml	Hu, Rat	Ms	-
ICC	1µg/ml	Hu	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

BACKGROUND

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.

REFERENCE

1. Shinjo K, Koland JG, Hart MJ, Narasimhan V, Johnson DI, Evans T, Cerione RA (December 1990).

2.Munemitsu S, Innis MA, Clark R, McCormick F, Ullrich A, Polakis P (November 1990).