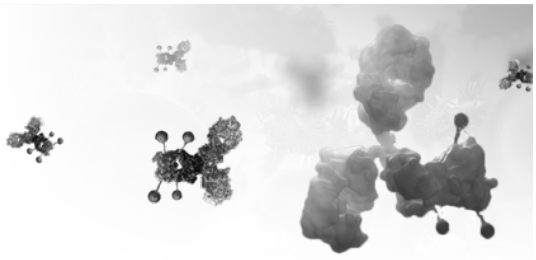

CDC42 blocking peptide (CDBP5283)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	CDC42 cell division cycle 42 [Homo sapiens (human)]
Official Symbol	CDC42
Synonyms	CDC42; cell division cycle 42; G25K; CDC42Hs; cell division control protein 42 homolog; G25K

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	GTP-binding protein; GTP-binding protein, 25kD; growth-regulating protein; GTP binding protein, 25kDa; small GTP binding protein CDC42; dJ224A6.1.1 (cell division cycle 42 (GTP-binding protein, 25kD)); dJ224A6.1.2 (cell division cycle 42 (GTP-binding protein, 25kD))
Entrez Gene ID	998
mRNA Refseq	NM_001039802
Protein Refseq	NP_001034891
UniProt ID	P60953
Pathway	AGE/RAGE pathway; Adaptive Immune System; Adherens junction; Androgen receptor signaling pathway; Axon guidance; BDNF signaling pathway; Bacterial invasion of epithelial cells; CD28 co-stimulation
Function	GTP binding; GTP-dependent protein binding; GTPase activity; apolipoprotein A-I receptor binding; identical protein binding; mitogen-activated protein kinase kinase kinase binding; protein binding; protein kinase binding; protein kinase binding; thioesterase binding

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221