



Human CDC42BPA blocking peptide (CDBP0742)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Cdc42-binding kinase alpha antibody
Antigen Description	The protein encoded by this gene is a member of the Serine/Threonine protein kinase family. This kinase contains multiple functional domains. Its kinase domain is highly similar to that of the myotonic dystrophy protein kinase (DMPK). This kinase also contains a Rac interactive binding (CRIB) domain, and has been shown to bind CDC42. It may function as a CDC42 downstream effector mediating CDC42 induced peripheral actin formation, and promoting cytoskeletal reorganization. Multiple alternatively spliced transcript variants have been described, and the full-length nature of two of them has been reported. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name [CDC42BPA CDC42 binding protein kinase alpha \(DMPK-like\) \[Homo sapiens \(human\) \]](#)

Official Symbol	CDC42BPA
Synonyms	CDC42BPA; CDC42 binding protein kinase alpha (DMPK-like); MRCK; MRCKA; PK428; serine/threonine-protein kinase MRCK alpha; MRCK alpha; DMPK-like alpha; ser-thr protein kinase PK428; CDC42 binidng protein kinase beta; myotonic dystrophy protein kinase-like alpha; CDC42-binding protein kinase alpha (DMPK-like); myotonic dystrophy kinase-related CDC42-binding kinase alpha; myotonic dystrophy kinase-related CDC42-binding protein kinase alpha; ser-thr protein kinase related to the myotonic dystrophy protein kinase;
Entrez Gene ID	8476
mRNA Refseq	NM_003607.3
Protein Refseq	NP_003598.2
UniProt ID	Q5VT25
Chromosome Location	1q42.11
Pathway	CDC42 signaling events, organism-specific biosystem;
Function	ATP binding; identical protein binding; magnesium ion binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity;