



## Human CDC42BPA blocking peptide (CDBP0742)

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

### PRODUCT INFORMATION

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| <b>Product Overview</b>    | Blocking/Immunizing peptide for anti-Cdc42-binding kinase alpha antibody  |
| <b>Antigen Description</b> | 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] |
| <b>Species</b>             | Human   |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | Apuri, BL, ELISA  |
| <b>Format</b>              | Lyophilized powder  |
| <b>Size</b>                | 100 µg  |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | Shipped at ambient temperature, store at -20°C.   |

### GENE INFORMATION

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| <b>Gene Name</b> | <a href="#">CDC42BPA CDC42 binding protein kinase alpha (DMPK-like) [ Homo sapiens (human) ]</a> |
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| <b>Official Symbol</b>     | CDC42BPA   |
| <b>Synonyms</b>            | 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; |
| <b>Entrez Gene ID</b>      | <a href="#">8476</a>   |
| <b>mRNA Refseq</b>         | <a href="#">NM_003607.3</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_003598.2</a>  |
| <b>UniProt ID</b>          | Q5VT25   |
| <b>Chromosome Location</b> | 1q42.11  |
| <b>Pathway</b>             | CDC42 signaling events, organism-specific biosystem;   |
| <b>Function</b>            | ATP binding; identical protein binding; magnesium ion binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity;   |

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