

## Rabbit CDC42BPA Polyclonal Antibody | anti-CDC42BPA antibody

CDC42BPA Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA310337</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

CDC42BPA; Polyclonal Antibody; CDC42BPA Antibody; MRCK; MRCKA; PK428; anti-CDC42BPA antibody

### PRODUCT SPECIFICATIONS

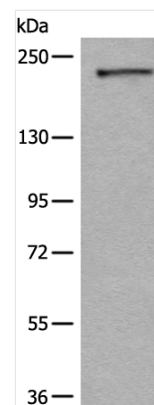
|                                                    |                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                            |
| Reactivity                                         | Human, Mouse, Rat                                                                 |
| Clonality                                          | Polyclonal                                                                        |
| Isotype                                            | IgG                                                                               |
| Specificity                                        | The antibody detects endogenous levels of total CDC42BPA protein.                 |
| Purity/Purification                                | Antigen affinity purification                                                     |
| Form/Format                                        | In pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.                              |
| Concentration                                      | 1.6mg/ml (varies by lot)                                                          |
| Sequence Length                                    | 1732                                                                              |
| Applicable Applications for anti-CDC42BPA antibody | IHC (Immunohistochemistry), WB (Western Blot)                                     |
| Immunogen                                          | Synthetic peptide corresponding to residues near the C terminal of human CDC42BPA |
| Immunogen Type                                     | Peptide                                                                           |
| Preparation and Storage                            | Store at -20 degree C.                                                            |

### IMAGES



#### IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46443(CDC42BPA Antibody) at dilution 1/45, on the right is treated with synthetic peptide. (Original magnification: x200)



#### SDS-PAGE

Gel: 6%SDS-PAGE lysate: 40 µg, Lane: A172 cell lysate, Primary antibody: 46443E(CDC42BPA Antibody) at dilution 1/600 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 minutes

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDC42BPA antibody | 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. |
| Product Categories/Family for anti-CDC42BPA antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 530366605                                                                      |
| NCBI GeneID                      | 8476                                                                           |
| NCBI Accession #                 | XP_005273381                                                                   |
| NCBI GenBank Nucleotide #        | XM_005273324.3                                                                 |
| UniProt Accession #              | Q5VT25; O75039; Q59GZ1; Q5H9N9; Q5T797; Q5VT26; Q5VT27; Q86XX2; Q86XX3; Q99646 |
| Molecular Weight                 | 197 kDa                                                                        |
| NCBI Official Full Name          | serine/threonine-protein kinase MRCK alpha isoform X14                         |
| NCBI Official Synonym Full Names | CDC42 binding protein kinase alpha                                             |
| NCBI Official Symbol             | CDC42BPA                                                                       |
| NCBI Official Synonym Symbols    | MRCK; MRCKA; PK428                                                             |
| NCBI Protein Information         | serine/threonine-protein kinase MRCK alpha                                     |
| UniProt Protein Name             | Serine/threonine-protein kinase MRCK alpha                                     |
| UniProt Gene Name                | CDC42BPA                                                                       |
| UniProt Synonym Gene Names       | MRCK alpha; Myotonic dystrophy protein kinase-like alpha                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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