

## Mouse anti-Human, Mouse CDK4 Monoclonal Antibody | anti-CDK4 antibody

Anti-CDK4 Antibody

|                               |                      |                                   |                                                           |
|-------------------------------|----------------------|-----------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA265973</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------|-----------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

CDK4; Monoclonal Antibody; Anti-CDK4 Antibody; anti-CDK4 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                          |
| Reactivity                                     | Human, Mouse                                                                                                   |
| Clonality                                      | Monoclonal                                                                                                     |
| Isotype                                        | Mouse IgG2a kappa                                                                                              |
| Specificity                                    | Recognizes endogenous levels of CDK4 protein.                                                                  |
| Purity/Purification                            | This antibody is purified through a protein G column.                                                          |
| Form/Format                                    | Mouse IgG2a kappa. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.                                 |
| Applicable Applications for anti-CDK4 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                  |
| Immunogen                                      | Recombinant fusion protein of human CDK4. The exact sequence is proprietary.                                   |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of CDK4 staining in human breast carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of CDK4 expression in A431 (A), Hela (B), K562 (C), MCF7 (D), NIH3T3 (E) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 33 kD)

### ADDITIONAL INFORMATION

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| Related Product Information for anti-CDK4 antibody | Mouse monoclonal antibody to CDK4  |
| Product Categories/Family for anti-CDK4 antibody   | <a href="#">Primary Antibodies</a> |

### NCBI AND UNIPROT INFORMATION

|           |                         |
|-----------|-------------------------|
| NCBI GI # | <a href="#">4502735</a> |
|-----------|-------------------------|

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GeneID                      | 1019                                                      |
| NCBI Accession #                 | NP_000066.1                                               |
| NCBI GenBank Nucleotide #        | NM_000075.3                                               |
| UniProt Accession #              | P11802; P30285                                            |
| Molecular Weight                 | 34kDa                                                     |
| NCBI Official Full Name          | cyclin-dependent kinase 4                                 |
| NCBI Official Synonym Full Names | cyclin-dependent kinase 4                                 |
| NCBI Official Symbol             | CDK4                                                      |
| NCBI Official Synonym Symbols    | CMM3; PSK-J3                                              |
| NCBI Protein Information         | cyclin-dependent kinase 4; cell division protein kinase 4 |
| UniProt Protein Name             | Cyclin-dependent kinase 4                                 |
| UniProt Gene Name                | <b>CDK4</b>                                               |
| UniProt Entry Name               | CDK4_HUMAN                                                |

**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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cdk4-antibody-immunohistochemistry-western-blot-elisa/265973>