

## Mouse CDK5 Monoclonal Antibody | anti-CDK5 antibody

Anti-CDK5 Antibody

|                               |                      |                                                |                                                         |
|-------------------------------|----------------------|------------------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA265768</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Mouse, Rat, Monkey</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|----------------------|------------------------------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

CDK5; Monoclonal Antibody; Anti-CDK5 Antibody; anti-CDK5 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                          |
| Reactivity                                     | Human, Mouse, Rat, Monkey                                                                                      |
| Clonality                                      | Monoclonal                                                                                                     |
| Specificity                                    | Recognizes endogenous levels of CDK5 protein.                                                                  |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                |
| Form/Format                                    | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH7.3.                                 |
| Applicable Applications for anti-CDK5 antibody | IC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                           |
| Immunogen                                      | Purified recombinant human CDK5(N-terminus) protein fragments expressed in E coli.                             |
| 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



#### IF (Immunofluorescence)

Immunofluorescent analysis of CDK5 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



#### WB (Western Blot)

Western blot analysis of CDK5 expression in NIH3T3 (A), HeLa (B), PC12 (C), COS7 (D), Jurkat (E), K562 (F) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 36 kD)

### ADDITIONAL INFORMATION

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| Related Product Information for anti-CDK5 antibody | Mouse monoclonal antibody to CDK5  |
| Product Categories/Family for anti-CDK5 antibody   | <a href="#">Primary Antibodies</a> |

### NCBI AND UNIPROT INFORMATION

|             |           |
|-------------|-----------|
| NCBI GI #   | 256542306 |
| NCBI GeneID | 1020      |

|                                  |                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_001157882.1</a>                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001164410.1</a>                                                                                                                                                                     |
| UniProt Accession #              | <a href="#">Q00535</a> ; <a href="#">P49615</a> ; <a href="#">Q03114</a>                                                                                                                           |
| Molecular Weight                 | 33,304 Da                                                                                                                                                                                          |
| NCBI Official Full Name          | cyclin-dependent kinase 5 isoform 2                                                                                                                                                                |
| NCBI Official Synonym Full Names | cyclin-dependent kinase 5                                                                                                                                                                          |
| NCBI Official Symbol             | CDK5                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | PSSALRE                                                                                                                                                                                            |
| NCBI Protein Information         | cyclin-dependent kinase 5; TPKII catalytic subunit; protein kinase CDK5 splicing; cell division protein kinase 5; serine/threonine-protein kinase PSSALRE; tau protein kinase II catalytic subunit |
| UniProt Protein Name             | Cyclin-dependent kinase 5                                                                                                                                                                          |
| UniProt Gene Name                | <b>CDK5</b>                                                                                                                                                                                        |
| UniProt Synonym Gene Names       | CDKN5; TPKII catalytic subunit                                                                                                                                                                     |
| UniProt Entry Name               | CDK5_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/cdk5-antibody-immunochemistry-immunofluorescence-western-blot-elisa/265768>