

## Mouse CDK5 Monoclonal Antibody | anti-CDK5 antibody

CDK5 (N-term) Mouse mAb

| CATALOG # | HOST  | REACTIVITY                | APPLICATIONS                      |
|-----------|-------|---------------------------|-----------------------------------|
| AAA320336 | Mouse | Human, Mouse, Rat, Monkey | Immunocytochemistry, Western Blot |

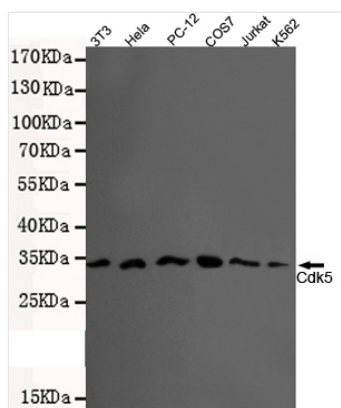
### PRODUCT SYNONYMS

CDK5; Monoclonal Antibody; CDK5 (N-term) Mouse mAb; Cdk 5; Cdk5; CDK5\_HUMAN; Cell division protein kinase 5; Crk6; Cyclin dependent kinase 5; Cyclin-dependent kinase 5; Protein kinase CDK5 splicing; PSSALRE; Serine threonine protein kinase PSSALRE; Serine/threonine-protein kinase PSSALRE; Tau protein kinase II catalytic subunit; TPKII catalytic subunit.; anti-CDK5 antibody

### PRODUCT SPECIFICATIONS

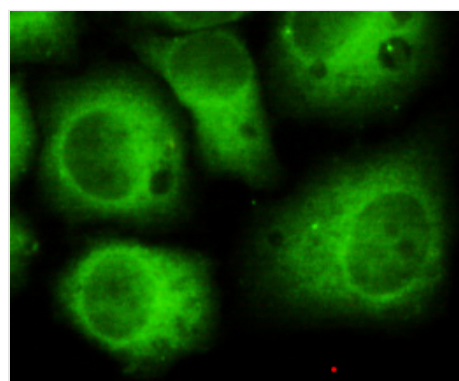
|                                                |                                                                                                                    |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat, Monkey                                                                                          |
| Clonality                                      | Monoclonal                                                                                                         |
| Specificity                                    | This antibody detects endogenous levels of CDK5(N-terminus) and does not cross-react with related proteins.        |
| Purity/Purification                            | The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. |
| Form/Format                                    | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                            |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                             |
| Applicable Applications for anti-CDK5 antibody | ICC (Immunocytochemistry), WB (Western Blot)                                                                       |
| Immunogen                                      | Purified recombinant human CDK5(N-terminus) protein fragments expressed in E coli.                                 |
| Modification                                   | Unmodified/Total                                                                                                   |
| Preparation and Storage                        | Store at -20 degree C/1 year                                                                                       |

### IMAGES



#### ICC (Immunocytochemistry)

Immunocytochemistry of HeLa cells using anti-CDK5(N-terminus) mouse mAb diluted 1:150



#### WB (Western Blot)

Western blot detection of CDK5(N-terminus) in 3T3, HeLa, PC-12, COS7, Jurkat and K562 lysates using Cdk5 mouse mAb (1:500 diluted). Predicted band size: 36 kDa. Observed band size: 36 kDa. Exposure time: 5 min.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDK5 antibody | cyclin dependent kinase 5(CDK5) Homo sapiens This gene encodes a proline-directed serine/threonine kinase that is a member of the cyclin-dependent kinase family of proteins. Unlike other members of the family,The protein encoded by this gene does not directly control cell cycle regulation. Instead the protein, which is predominantly expressed at high levels in mammalian postmitotic central nervous system neurons, functions in diverse processes such as synaptic plasticity and neuronal migration through phosphorylation of proteins required for cytoskeletal organization, endocytosis and exocytosis, and apoptosis. In humans, an allelic variant of the gene that results in undetectable levels of the protein has been associated with lethal autosomal recessive lissencephaly-7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015] |
| Product Categories/Family for anti-CDK5 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 256542306                                                                                                                                                                                          |
| NCBI GeneID                      | 1020                                                                                                                                                                                               |
| NCBI Accession #                 | NP_001157882.1                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001164410.1                                                                                                                                                                                     |
| UniProt Accession #              | Q00535; A1XKG3                                                                                                                                                                                     |
| 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                | CDK5                                                                                                                                                                                               |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/monoclonal/cdk5-antibody-immunocytochemistry-western-blot-elisa/320336>