

## Rabbit anti-Human CDK12 Monoclonal Antibody | anti-CDK12 antibody

CDK12 Rabbit mAb

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA282970</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

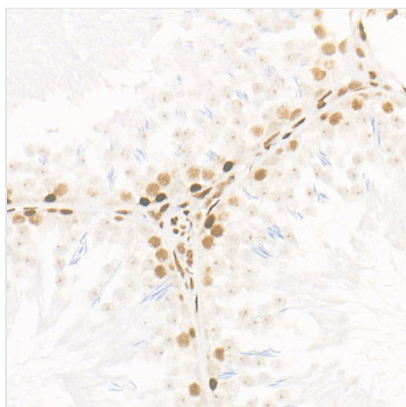
### PRODUCT SYNONYMS

CDK12; Monoclonal Antibody; CDK12 Rabbit mAb; CRK7; CRKR; CRKRS; anti-CDK12 antibody

### PRODUCT SPECIFICATIONS

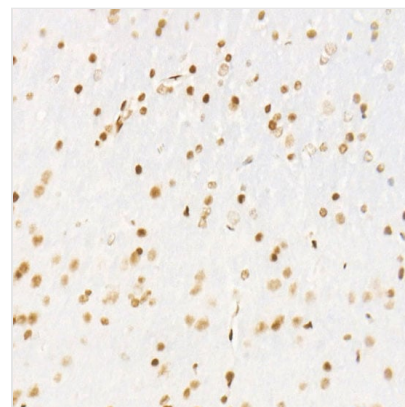
|                                                 |                                                                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                              |
| Reactivity                                      | Human                                                                                                               |
| Clonality                                       | Monoclonal                                                                                                          |
| Isotype                                         | IgG                                                                                                                 |
| Purity/Purification                             | Affinity purification                                                                                               |
| Form/Format                                     | PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.                                                          |
| Sequence                                        | SKGSPVFLPR KENSSVEAKD SGLESKKLPR SVKLEKSAPD TELVNVTHLN TEVKNSSDTG KVKLDENSEK<br>HLVKDLKAQG TRDSKPIALK EEIVTPK       |
| Applicable Applications for anti-CDK12 antibody | ELISA, IHC (Immunohistochemistry)                                                                                   |
| Cross Reactivity                                | Human, Mouse, Rat                                                                                                   |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 420-516 of human CDK12 (NP_057591.2). |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                    |

### IMAGES



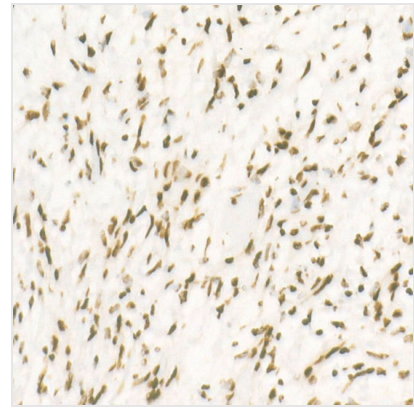
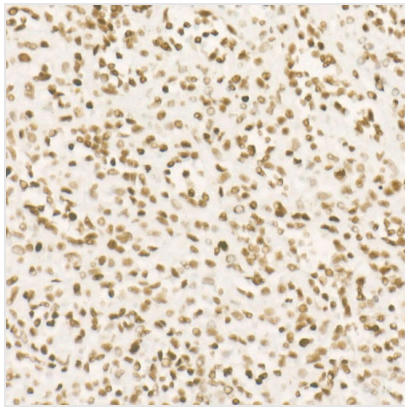
#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat testis using CDK12 Rabbit mAb (AAA282970) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



#### IHC (Immunohistochemisry)

Immunohistochemistry analysis of paraffin-embedded Mouse brain using CDK12 Rabbit mAb (AAA282970) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human spleen using CDK12 Rabbit mAb (AAA282970) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human heart using CDK12 Rabbit mAb (AAA282970) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CDK12 antibody</b> | Enables RNA polymerase II CTD heptapeptide repeat kinase activity and cyclin binding activity. Involved in phosphorylation of RNA polymerase II C-terminal domain; protein autophosphorylation; and regulation of MAP kinase activity. Located in nuclear speck. Part of cyclin K-CDK12 complex. |
| <b>Product Categories/Family for anti-CDK12 antibody</b>   | <a href="#">Cancer</a> ; <a href="#">Signal Transduction</a> ; <a href="#">Kinase</a> ; <a href="#">Tyrosine kinases</a> ; <a href="#">Antibodies</a>                                                                                                                                            |

## NCBI AND UNIPROT INFORMATION

|                                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| <b>NCBI GI #</b>                  | 157817023                                                           |
| <b>NCBI GeneID</b>                | 51755                                                               |
| <b>NCBI Accession #</b>           | NP_057591.2                                                         |
| <b>NCBI GenBank Nucleotide #</b>  | NM_016507.3                                                         |
| <b>UniProt Accession #</b>        | Q9NYV4; O94978; A7E2B2; B4DYX4; B9EIQ6                              |
| <b>Molecular Weight</b>           | Calculated MW: 164kDa                                               |
| <b>UniProt Protein Name</b>       | Cyclin-dependent kinase 12                                          |
| <b>UniProt Gene Name</b>          | <b>CDK12</b>                                                        |
| <b>UniProt Synonym Gene Names</b> | CRK7; CRKRS; KIAA0904; CrkRS; CDC2-related protein kinase 7; hCDK12 |
| <b>UniProt Entry Name</b>         | CDK12_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://stage.aaabiotech.com/monoclonal/cdk12-antibody-immunohistochemistry-elisa/282970>