

## Rabbit CDK12 / CRKRS Polyclonal Antibody | anti-CDK12 antibody

Rabbit Polyclonal to Human CDK12 / CRKRS

| CATALOG # | HOST   | REACTIVITY                                                                                                                       | APPLICATIONS         |
|-----------|--------|----------------------------------------------------------------------------------------------------------------------------------|----------------------|
| AAA51287  | Rabbit | Gibbon, Dog, Gorilla, Human, Monkey<br>Predicted Reactivity: Rat, Bat, Bovine, Rabbit (at least 90% immunogen sequence identity) | Immunohistochemistry |

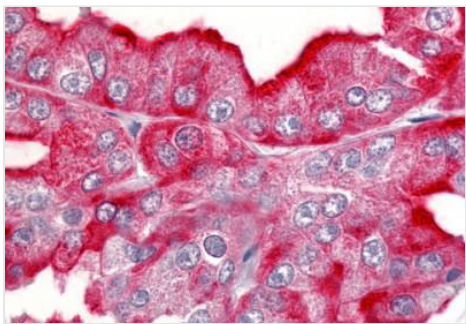
### PRODUCT SYNONYMS

CDK12 / CRKRS; Polyclonal Antibody; Rabbit Polyclonal to Human CDK12 / CRKRS; Anti-CDK12 / CRKRS Antibody (Internal) IHC-plus; CDK12; CDC2-related protein kinase 7; CRK7; Cyclin-dependent kinase 12; HCDK12; KIAA0904; CRKR; CRKRS; Pksc; Human CDK12; anti-CDK12 antibody

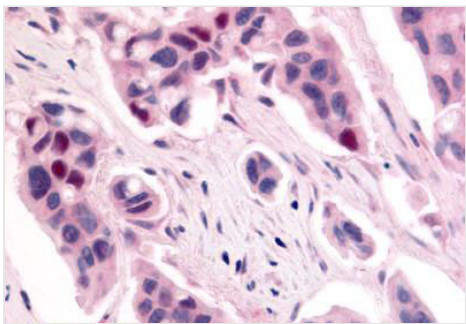
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                  |
| Reactivity                                      | Gibbon, Dog, Gorilla, Human, Monkey<br><b>Predicted Reactivity:</b> Rat, Bat, Bovine, Rabbit (at least 90% immunogen sequence identity)                                                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                              |
| Specificity                                     | Human CDK12 / CRKRS. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except AKAP12 (55%).                                                                                                                                                                                         |
| Purity/Purification                             | Immunoaffinity Purified                                                                                                                                                                                                                                                                                                 |
| Form/Format                                     | PBS, 0.1% sodium azide.                                                                                                                                                                                                                                                                                                 |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                 |
| Sequence Length                                 | 1490                                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for anti-CDK12 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                              |
| Target Species                                  | Human                                                                                                                                                                                                                                                                                                                   |
| Immunogen Description                           | Synthetic 20 amino acid peptide from internal region of human CDK12 / CRKRS. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Dog (100%); Elephant, Bovine, Rabbit (95%); Rat, Bat (90%).                                                                        |
| Immunogen Type                                  | Synthetic peptide                                                                                                                                                                                                                                                                                                       |
| Immunogen                                       | CDK12 / CRKRS antibody was raised against synthetic 20 amino acid peptide from internal region of human CDK12 / CRKRS. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Dog (100%); Elephant, Bovine, Rabbit (95%); Rat, Bat (90%); Mouse, Hamster, Horse (85%). |
| Antigen Modification                            | Internal                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                         | Long term: -70 degree C; Short term: +4 degree C                                                                                                                                                                                                                                                                        |

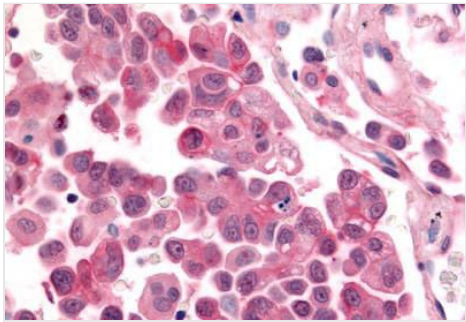
IMAGES



**IHC (Immunohistochemistry)**  
Anti-CDK12 / CRKRS antibody IHC of human Prostate, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



**IHC (Immunohistochemistry)**  
Anti-CDK12 / CRKRS antibody IHC of human breast carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



**IHC (Immunohistochemistry)**  
Anti-CDK12 / CRKRS antibody IHC of human Lung, Non-Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CDK12 antibody | CRK7 is a CDC2/CDK -type protein kinase. Also known as CRKRS, the protein has an arginine/serine-rich (RS) domain that is found predominantly in splicing factors, and extensive proline-rich regions that match the consensus for SH3 and WW domain binding sites. Anti-CrkRS immunoprecipitates have been shown to phosphorylate the C-terminal domain of RNA polymerase II in vitro. |
| Product Categories/Family for anti-CDK12 antibody   | Family: Protein Kinase; Subfamily: CDC2/CDK                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 157817023                              |
| NCBI GeneID                      | 51755                                  |
| NCBI Accession #                 | NP_057591.2                            |
| NCBI GenBank Nucleotide #        | NM_016507.3                            |
| UniProt Accession #              | Q9NYV4; O94978; A7E2B2; B4DYX4; B9EIQ6 |
| Molecular Weight                 | 141,449 Da                             |
| NCBI Official Full Name          | cyclin-dependent kinase 12 isoform 1   |
| NCBI Official Synonym Full Names | cyclin-dependent kinase 12             |
| NCBI Official Symbol             | CDK12                                  |
| NCBI Official Synonym Symbols    | CRK7; CRKR; CRKRS                      |

|                                   |                                                                                                                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Protein Information</b>   | cyclin-dependent kinase 12; CDC2-related protein kinase 7; cell division protein kinase 12; Cdc2-related kinase, arginine/serine-rich; cell division cycle 2-related protein kinase 7 |
| <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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdk12-crks-antibody-immunohistochemistry-elisa/51287>