

## anti-Human, Mouse CDK7 Antibody | anti-CDK7 antibody

CDK7 (Phospho-Thr170) Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA111657</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

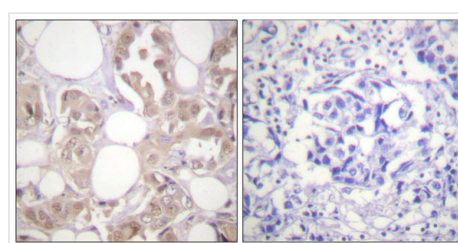
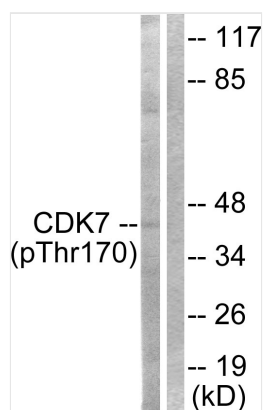
### PRODUCT SYNONYMS

CDK7; CDK7 (Phospho-Thr170) Antibody; 39 kDa protein kinase; CAK; CAK1; CDK-activating kinase; CDKN7; CR4 protein kinase; CRK4; Cell division protein kinase 7; EC 2.7.11.22; EC 2.7.11.23; MO15; MPK-7; P39 Mo15; Protein-tyrosine kinase MPK-7; STK1; TFIIH basal complex kinase subunit; kinase Cdk7; anti-CDK7 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human, Mouse                                                                                                                                                                                                                                        |
| Specificity                                    | CDK7 (Phospho-Thr170) antibody detects endogenous levels of CDK7 only when phosphorylated at threonine 170.                                                                                                                                         |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                    | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                | 305                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-CDK7 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                      | The antiserum was produced against synthesized phosphopeptide derived from human CDK7 around the phosphorylation site of threonine 170(A-Y-TP-H-Q).                                                                                                 |
| All Sites                                      | Human: Thr170<br>Mouse: Thr170                                                                                                                                                                                                                      |
| Preparation and Storage                        | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using CDK7 (Phospho-Thr170) antibody. Western blot analysis of extracts from HeLa cells, treated with Calyculin A (50nM, 30mins), using CDK7 (Phospho-Thr170) antibody.

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-CDK7 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                       | J. Matt Kim, Biol Reprod, May 2001; 64: 1400. Ann Yee, Cancer Res., Dec 1995; 55: 6058-6062. Saya Ito. Genes Cells, Oct 2004; 9: 983-992.                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 1022435305                                  |
| NCBI GeneID                      | 1022                                        |
| NCBI Accession #                 | NP_001310998.1                              |
| NCBI GenBank Nucleotide #        | NM_001324069.1                              |
| UniProt Accession #              | P50613; Q9BS60; Q9UE19                      |
| Molecular Weight                 | 39,038 Da                                   |
| NCBI Official Full Name          | cyclin-dependent kinase 7 isoform 2         |
| NCBI Official Synonym Full Names | cyclin dependent kinase 7                   |
| NCBI Official Symbol             | CDK7                                        |
| NCBI Official Synonym Symbols    | CAK; CAK1; HCAK; MO15; STK1; CDKN7; p39MO15 |
| NCBI Protein Information         | cyclin-dependent kinase 7                   |
| UniProt Protein Name             | Cyclin-dependent kinase 7                   |
| UniProt Gene Name                | CDK7                                        |
| UniProt Synonym Gene Names       | CAK; CAK1; CDKN7; MO15; STK1; p39 Mo15      |

**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/human-mouse-antibody/cdk7/111657>