

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

CDK7 (Phospho-Thr170) Antibody

CATALOG # AAA111657	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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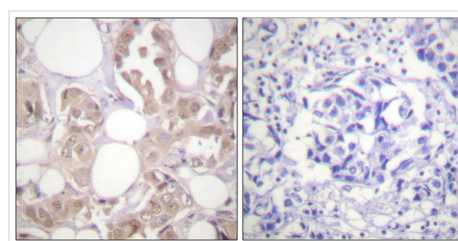
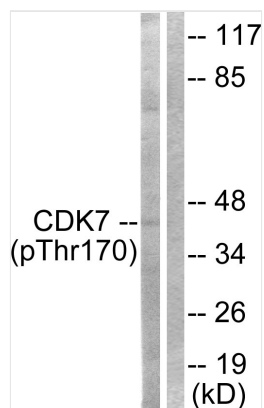
PRODUCT SYNONYMS

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 ²⁺ and Ca ²⁺), 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 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.