

Rabbit CDK7 Polyclonal Antibody | anti-CDK7 antibody

CDK7 antibody

CATALOG # AAA305259	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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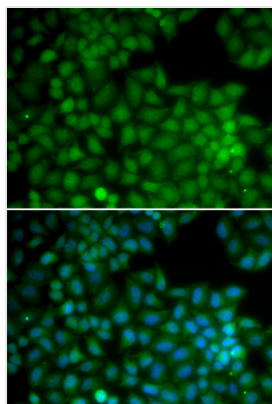
PRODUCT SYNONYMS

CDK7; Polyclonal Antibody; CDK7 antibody; CAK1; HCAK; MO15; STK1; CDKN7; p39MO15; anti-CDK7 antibody

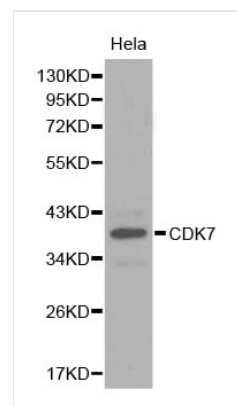
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total CDK7 antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	346
Applicable Applications for anti-CDK7 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human CDK7.
Target Name	CDK7
Preparation and Storage	Store at -20 degree C

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using CDK7 antibody. Blue: DAPI for nuclear staining.


WB (Western Blot)

Western blot analysis of extracts of HeLa cell line, using CDK7 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK7 antibody	CDK-activating kinase (CAK) is a complex of CDK7 and cyclin H. The complex is involved in cell cycle regulation by phosphorylating an activating residue in the T-loop domain of cdk5 (1). Regulation of CAK activity is mediated by T-loop phosphorylation and by association with MAT1, both of which enhance its kinase activity toward the CTD of RNA polymerase II (2,3) and other substrates such as p53 (4). CAK is an essential component of the transcription complex TFIIF and may interact directly with TFIIF helicases (5).
Product Categories/Family for anti-CDK7 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502743
NCBI GeneID	1022
NCBI Accession #	NP_001790.1
NCBI GenBank Nucleotide #	NM_001799.3
UniProt Accession #	P50613; Q9BS60; Q9UE19
Molecular Weight	39,038 Da
NCBI Official Full Name	cyclin-dependent kinase 7
NCBI Official Synonym Full Names	cyclin-dependent kinase 7
NCBI Official Symbol	CDK7
NCBI Official Synonym Symbols	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
UniProt Entry Name	CDK7_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
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdk7-antibody-immunofluorescence-western-blot-elisa/305259>