

Product datasheet for **TA348965**

CDK7 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.3-1 ug/ml
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-CDK7 (aa47-58) Antibody: Peptide with sequence C-HRSEAKDGINRT, from the internal region of the protein sequence according to NP_001790.1.
Formulation:	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cyclin-dependent kinase 7
Database Link:	NP_001790 Entrez Gene 12572 MouseEntrez Gene 171150 RatEntrez Gene 608441 DogEntrez Gene 1022 Human P50613



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Background:

The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae* cdc28, and *Schizosaccharomyces pombe* cdc2, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIIF, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle. [provided by RefSeq, Jul 2008]

Synonyms:

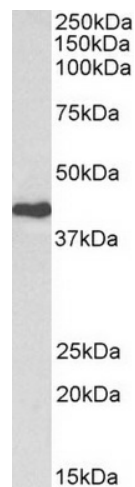
CAK1; CDKN7; HCAK; MO15; p39MO15; STK1

Protein Families:

Druggable Genome, Protein Kinase, Stem cell - Pluripotency, Transcription Factors

Protein Pathways:

Cell cycle, Nucleotide excision repair

Product images:

TA348965 (0.3 ug/ml) staining of Jurkat lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.