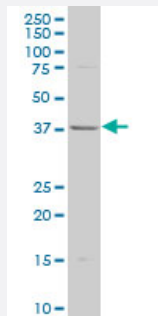


CDK7 polyclonal antibody (A01)

Catalog # H00001022-A01

Size 50 uL

Applications



Western Blot (Cell lysate)

CDK7 polyclonal antibody (A01), Lot # 050726JC01 Western Blot analysis of CDK7 expression in Hela S3 NE (Cat # L013V3).

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CDK7.
Immunogen	CDK7 (AAH00834, 1 a.a. ~ 130 a.a) partial recombinant protein with GST tag.
Sequence	MALDVKSRAKRYEKLDLFLGEGQFATVYKARDKNTNQVAIKKIKLGHRSEAKDGINRTALREIKLLQ ELSHPNIIIGLLDAFGHKSNSISLVDFMETDLEVIKDNSLVLTTPSHIKAYMLMTLQGLEYLHQ
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CDK7 polyclonal antibody (A01), Lot # 050726JC01 Western Blot analysis of CDK7 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- ELISA

Gene Info — CDK7

Entrez GeneID [1022](#)

GeneBank Accession# [BC000834](#)

Protein Accession# [AAH00834](#)

Gene Name CDK7

Gene Alias CAK1, CDKN7, MO15, STK1, p39MO15

Gene Description cyclin-dependent kinase 7

Omim ID [601955](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 TFIIH, 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]

Other Designations 39 KDa protein kinase|Cdk-activating kinase|cell division protein kinase 7|cyclin-dependent kinase 7 (MO15 homolog, *Xenopus laevis*, cdk-activating kinase)|homolog of *Xenopus* MO15 Cdk-activating kinase|kinase subunit of CAK|serine/threonine kinase stk1|ser

Pathway

- [Cell cycle](#)
- [Nucleotide excision repair](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)