

CDK7 monoclonal antibody, clone MO-1

Catalog # MAB1855

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CDK7.
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Immunogen	Recombinant protein corresponding to C-terminus of human CDK7.
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Host	Mouse
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Reactivity	Human
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Form	Liquid
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Purification	Protein A/G purification
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Isotype	IgG2b
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Quality Control Testing	Antibody Reactive Against Recombinant Protein.
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Recommend Usage	Western Blot (1-10 ug/mL) Immunohistochemistry (1-10 ug/mL) Immunoprecipitation (1-10 ug/mL) The optimal working dilution should be determined by the end user.
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Storage Buffer	In PBS (0.08% sodium azide)
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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Applications

- Western Blot
- Immunohistochemistry

- Immunoprecipitation

Gene Info — CDK7

Entrez GeneID [1022](#)

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* cdc 28, 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](#)