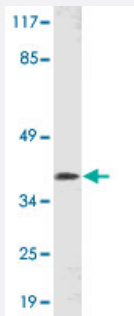


CDK7 polyclonal antibody

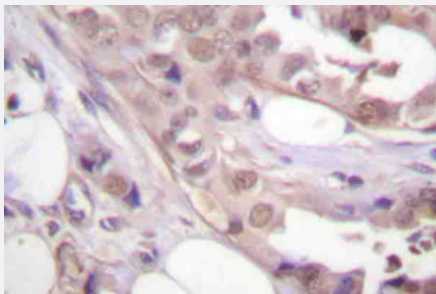
Catalog # PAB27106 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Raw264.7 with Calyculin A 50ng/ml 30' treated. Using CDK7 polyclonal antibody (Cat # PAB27106).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast tissue using CDK7 polyclonal antibody (Cat # PAB27106).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CDK7.
Immunogen	A synthetic peptide corresponding to human CDK7.
Host	Rabbit
Theoretical MW (kDa)	40
Reactivity	Human, Mouse
Specificity	CDK7 polyclonal antibody detects endogenous levels of CDK7 protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Raw264.7 with Calyculin A 50ng/ml 30' treated. Using CDK7 polyclonal antibody (Cat # PAB27106).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast tissue using CDK7 polyclonal antibody (Cat # PAB27106).

Gene Info — CDK7

Entrez GeneID	1022
Protein Accession#	P50613
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](#)