

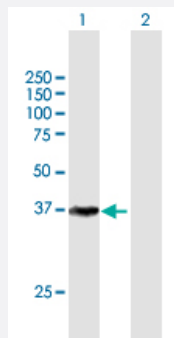
MaxPab®

CDK7 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001022-B01P

Size 50 ug

Applications

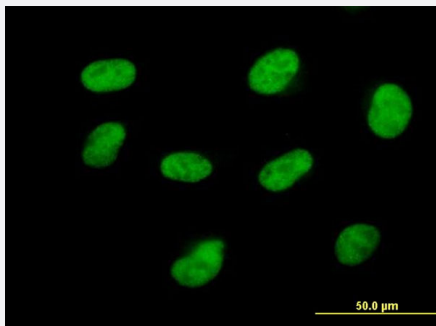


Western Blot (Transfected lysate)

Western Blot analysis of CDK7 expression in transfected 293T cell line ([H00001022-T01](#)) by CDK7 MaxPab polyclonal antibody.

Lane 1: CDK7 transfected lysate(38.06 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CDK7 on HeLa cell.
[antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CDK7 protein.

Immunogen

CDK7 (NP_001790.1, 1 a.a. ~ 346 a.a) full-length human protein.

Sequence

MALDVKSRAKRYEKLDLFLGEGQFATVYKARDKNTNQVAIKKIKLGHRSEAKDGINRTALREIKLLQ
ELSHPNIIIGLLDAFGHKSNSLVDFMETDLEVIKDNSLVLTTPSHIKAYMLMTLQGLEYLHQHWILHR
DLKPNNLLLDENGVLKLADFGAKSFGSPNRAYTHQVVTRWYRAPELLFGARMYGVGVDMWAV
GCILAEALLRVPFLPGDSDLQDLTRIFETLGTPTTEEQWPDMLSLPDYVTFKSFPGLPHHIFSAAGD
DLLDLIQGLFLFNPCARITATQALKMKYFSNRPGPTPGCQLPRPNCPVETLKEQSNPALAIKRKRT
EALEQGGLPKKLIF

Host

Mouse

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CDK7 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — CDK7

Entrez GeneID	1022
GeneBank Accession#	NM_001799.2
Protein Accession#	NP_001790.1
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](#)