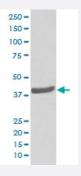


# CDK7 monoclonal antibody, clone GHG-3

Catalog # MAB19882 Size 100 uL

### **Applications**



### Western Blot (Cell lysate)

Western blot analysis of MCF-7 cell lysate with CDK7 monoclonal antibody.

Specification	
Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CDK7.
Immunogen	A synthetic peptide corresponding to human CDK7.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	lgG
Recommend Usage	Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



#### **Product Information**

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 MCF-7 cell lysate with CDK7 monoclonal antibody.

Gene Info — CDK7	
Entrez GenelD	1022
Protein Accession#	P50613
Gene Name	CDK7
Gene Alias	CAK1, CDKN7, MO15, STK1, p39MO15
Gene Description	cyclin-dependent kinase 7
Omim ID	<u>601955</u>
Gene Ontology	<u>Hyperlink</u>
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 be etween 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