

CDK7 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7254c

Product Information

Application	WB, E
Primary Accession	P50613
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB07518

Additional Information

Other Names	Cyclin-dependent kinase 7, 39 kDa protein kinase, p39 Mo15, CDK-activating kinase 1, Cell division protein kinase 7, Serine/threonine-protein kinase 1, TFIIH basal transcription factor complex kinase subunit, CDK7, CAK, CAK1, CDKN7, MO15, STK1
Target/Specificity	This CDK7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the Center region of Human CDK7.
Dilution	WB--1:1000 E--Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CDK7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

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.

References

Zhou, M., et al., Proc. Natl. Acad. Sci. U.S.A. 100(22):12666-12671 (2003).

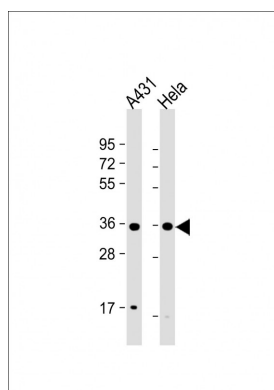
Kino, T., et al., Biochem. Biophys. Res. Commun. 298(1):17-23 (2002).

Schneider, E., et al., Oncogene 21(33):5031-5037 (2002).

Nekhai, S., et al., Virology 266(2):246-256 (2000).

Zhou, M., et al., Mol. Cell. Biol. 20(14):5077-5086 (2000).

Images



All lanes : Anti-Cdk7 Antibody (T170) at 1:1000 dilution
Lane 1: A431 whole cell lysate Lane 2: HeLa whole cell lysate
Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.