



Datasheet for ABIN3022405
anti-CDK7 antibody (AA 1-346)



[Go to Product page](#)

6 Images

Overview

Quantity:	100 µL
Target:	CDK7
Binding Specificity:	AA 1-346
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-346 of human CDK7 (NP_001790.1).
Sequence:	MALDVKSRAK RYEKLDLGE GQFATVYKAR DKNTNQIVAI KKIKLGRSE AKDGINRTAL REIKLLQELS HPNIIGLLDA FGHKSNISLV FDFMETDLEV IIKDNSLVLT PSHIKAYMLM TLQGLEYLHQ HWILHRDLKP NNLLLDENG V LKLADFLGAK SFGSPNRAYT HQVVTRWYRA PELLFGARMY GVGVDMWAVG CILAE LLRV PFLPGSDLD QLTRIFETLG TPTEEQWPDM CSLPDYVTFK SFPGIPLHHI FSAAGD LLD LIQGLFLFNP CARITATQAL KMKYFSNRPG PTPGCQLPRP NCPVETLKEQ SNPALAIK RK RTEALEQGG L PKKLIF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: CDK7

Alternative Name: CDK7 ([CDK7 Products](#))

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.,CDK7,CAK,CAK1,CDKN7,HCAK,MO15,STK1,p39MO15,Epigenetics & Nuclear Signaling,DNA Damage & Repair,Signal Transduction,Kinase,Serine/threonine kinases,Cell Biology & Developmental Biology,Cell Cycle,G2/M DNA Damage Checkpoint,CDK7

Molecular Weight: 39 kDa

Gene ID: 1022

UniProt: [P50613](#)

Pathways: [Cell Division Cycle](#), [DNA Damage Repair](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Mitotic G1-G1/S Phases](#), [M Phase](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

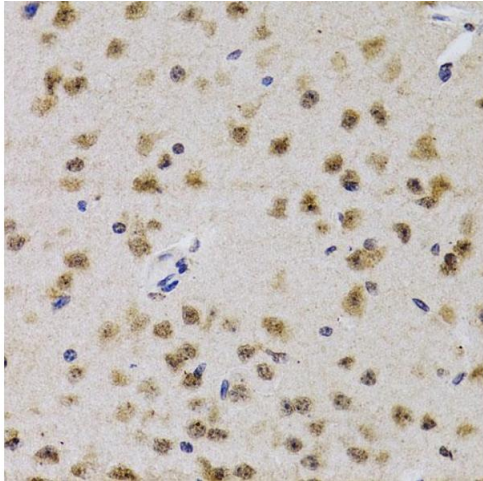
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

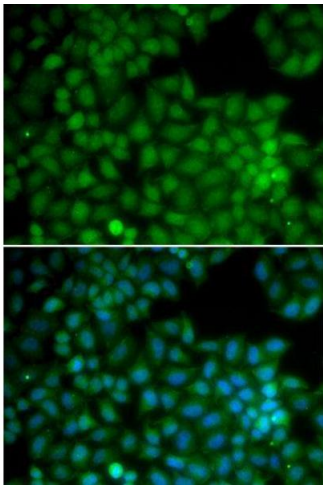
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



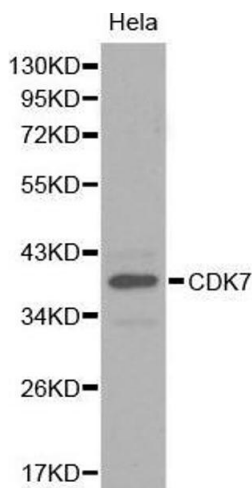
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse brain using CDK7 antibody (ABIN3022404, ABIN3022405, ABIN3022406 and ABIN6218792) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cell using CDK7 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3.

Images

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3022405.