



[Go to Product page](#)

Datasheet for ABIN6138247  
**anti-CDK1 antibody (AA 1-297)**

5 Images

Overview

Quantity:	100 µL
Target:	CDK1
Binding Specificity:	AA 1-297
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-297 of human CDK1 (NP_001777.1).
Sequence:	MEDYTKIEKI GEGTYGVVYK GRHKTTGQVV AMKKIRLESE EEGVPSTAIR EISLLKELRH PNIVSLQDVL MQDSRLYLIF EFLSMDLKKY LDSIPPGQYM DSSLVKSYLE QILQGIVFCH SRRVLHRDLK PQNLLIDDKG TIKLADFGLA RAFGIPIRVY THEVVTWLYR SPEVLLGSAR YSTPVDIWSI GTIFAELATK KPLFHGDSEI DQLFRIFRAL GTPNNEVWPE VESLQDYKNT FPKWKPGSLA SHVKNLDENG LDLLSKMLIY DPAKRISGKM ALNHPYFNDL DNQIKKM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

---

Target:	CDK1
Alternative Name:	CDK1 ( <a href="#">CDK1 Products</a> )
Background:	<p>The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,CDK1,CDC2,CDC28A,P34CDC2,Epigenetics &amp; Nuclear Signaling,Signal Transduction,G protein signaling,Kinase,Serine/threonine kinases,ErbB-HER Signaling Pathway,Cell Biology &amp; Developmental Biology,Apoptosis,Cell Cycle,Centrosome,G2/M DNA Damage Checkpoint,Microtubules,Immunology &amp; Inflammation,Neuroscience,Neurodegenerative Diseases,CDK1</p>
Molecular Weight:	27 kDa/34 kDa
Gene ID:	983
UniProt:	<a href="#">P06493</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">M Phase</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Synthesis of DNA</a>

## Application Details

---

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
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

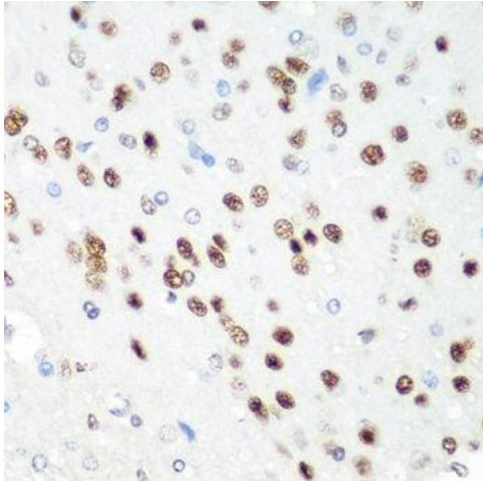
## Handling

should be handled by trained staff only.

Storage: -20 °C

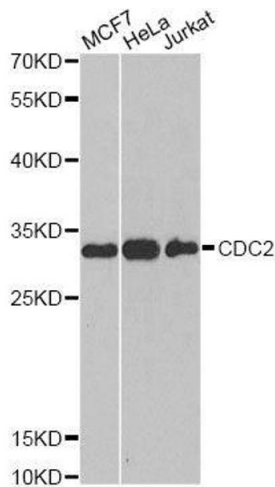
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



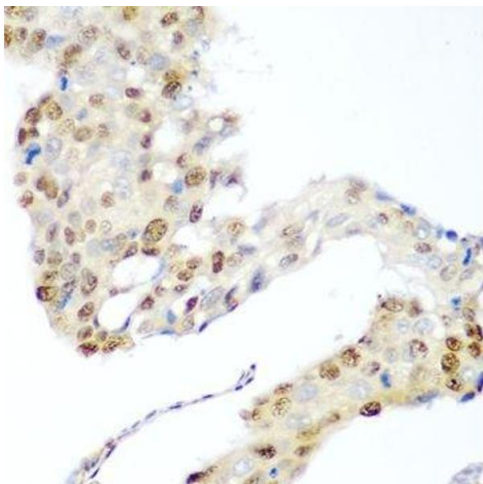
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded rat brain using CDK1 antibody.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using CDK1 antibody.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded human lung cancer using CDK1 antibody.

## Images

---

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6138247.