

CDK1 Rabbit pAb

Catalog No.: A0220 **29 Publications**

Basic Information

Observed MW

34kDa

Calculated MW

34kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, IP

Cross-Reactivity

Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB 1:500 - 1:2000**IHC-P** 1:50 - 1:100**IF/ICC** 1:50 - 1:200**IP** 2µg antibody for
200µg extracts of whole
cells

Immunogen Information

Gene ID

983

Swiss Prot

P06493

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 198-297 of human CDK1 (NP_001777.1).

Synonyms

CDC2; CDC28A; P34CDC2; CDK1

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

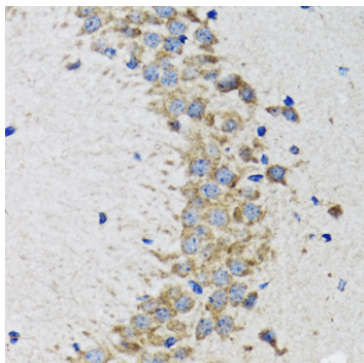
Affinity purification

Storage

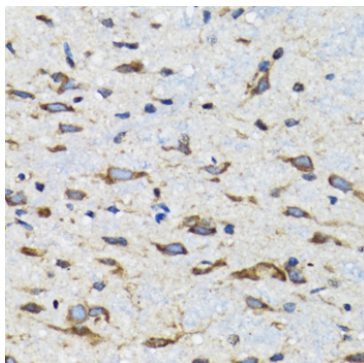
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

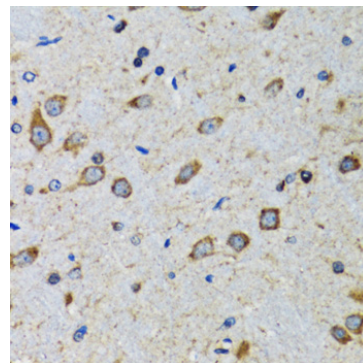
Validation Data



Immunohistochemistry analysis of CDK1 in paraffin-embedded rat brain using CDK1 Rabbit pAb (A0220) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CDK1 in paraffin-embedded mouse spinal cord using CDK1 Rabbit pAb (A0220) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CDK1 in paraffin-embedded mouse brain using CDK1 Rabbit pAb (A0220) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.