

Nur für Forschungszwecke

# CDK2 Polyklonaler Antikörper

Katalog-Nr.:10122-1-AP

Vorgestelltes Produkt

222 Publikationen



## Allgemeine Informationen

|  |   |  |
|--|---|--|
| <b>Katalog-Nr.:</b><br>10122-1-AP                                  | <b>GenBank-Zugangsnummer:</b><br>BC003065               | <b>Reinigungsmethode:</b><br>Antigen-Affinitätsreinigung |
| <b>Größe:</b><br>150ul , Konzentration: 400 µg/ml von<br>Nanodrop; | <b>GeneID (NCBI):</b><br>1017                           | <b>Empfohlene Verdünnungen:</b><br>WB 1:1000-1:4000      |
| <b>Wirt:</b><br>Kaninchen  | <b>Vollständiger Name:</b><br>cyclin-dependent kinase 2 | IP 0.5-4.0 ug für IP und 1:500-1:3000<br>für WB          |
| <b>Isotyp:</b><br>IgG  | <b>Berechnete Masse:</b><br>33 kDa                      | IHC 1:50-1:500   |
| <b>Immunogen Katalognummer:</b><br>AG0166                          | <b>Beobachtete Masse:</b><br>33 kDa                     | IF 1:50-1:500  |

## Anwendungen

**Geprüfte Anwendungen:**  
FC, IF, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**  
CoIP, FC, IF, IHC, WB

**Getestete Reaktivität:**  
Human, Maus, Ratte

**Zitierte Arten:**  
Fisch, Human, Maus, Ratte, Zebrafisch

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

**WB:** HEK-293-Zellen, A431-Zellen, HeLa-Zellen, HepG2-Zellen, HL-60-Zellen, Jurkat-Zellen, K-562-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, Rattennierengewebe

**IP:** HeLa-Zellen,

**IHC:** humanes Leberkarzinomgewebe, humanes Prostatakarzinomgewebe

**IF:** HeLa-Zellen, Maushodengewebe

## Hintergrundinformationen

CDK2(Cyclin-dependent kinase 2) is also named as CDKN2 and belongs to the protein kinase superfamily,CMGC Ser/Thr protein kinase family, CDC2/CDKX subfamily.It is involved in the control of the cell cycle; essential for meiosis, but dispensable for mitosis.It has 2 isoforms produced by alternative splicing.

## Bemerkenswerte Veröffentlichungen

| Verfasser    | Pubmed ID | Journal                | Anwendung |
|--------------|-----------|------------------------|-----------|
| Jing Zhao    | 32986180  | Biotechnol Lett        | WB        |
| Xiaoman Chen | 30207732  | Mol Pharm              | WB        |
| Jingjing Pan | 36152427  | Ecotoxicol Environ Saf | WB        |

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

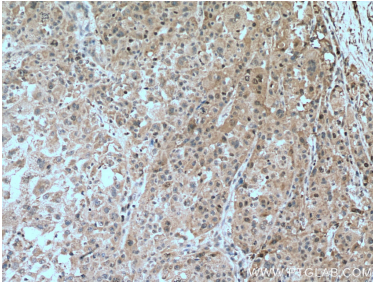
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

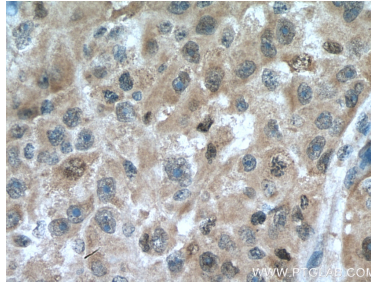
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

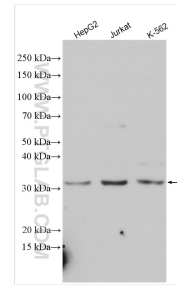
## Ausgewählte Validierungsdaten



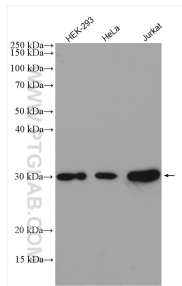
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10122-1-AP (CDK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



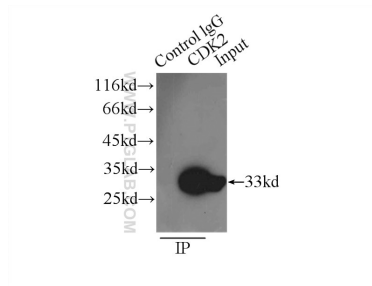
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10122-1-AP (CDK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



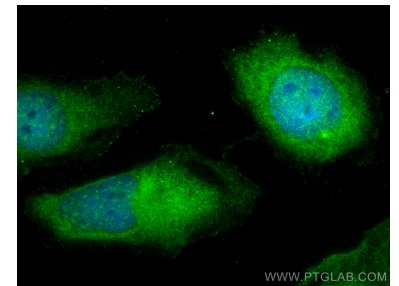
Various lysates were subjected to SDS PAGE followed by western blot with 10122-1-AP (CDK2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



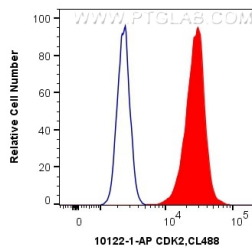
Various lysates were subjected to SDS PAGE followed by western blot with 10122-1-AP (CDK2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-CDK2 (IP:10122-1-AP, 3ug; Detection:10122-1-AP 1:1500) with HeLa cells lysate 4650ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CDK2 antibody (10122-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human CDK2 (10122-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).