Nur für Forschungszwecke

# Chk1 Polyklonaler Antikörper

Katalog-Nr.:10362-1-AP Vorgestelltes Produkt 18 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

## Allgemeine Informationen

Katalog-Nr.:
10362-1-AP

Größe:
150ul , Konzentration: 240 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0409

GenBank-Zugangsnummer:
BC004202

GeneID (NCBI):
1111

Vollständiger Name:
CHK1 checkpoint homolog (S. pombe)

Berechneté Masse:
54 kDa

Beobachteté Masse:
50-55 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:1000
IHC 1:50-1:500
IF 1:10-1:100

## Anwendungen

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

In Publikationen genannte Anwendungen:
IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte

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

Positivkontrollen:

WB : Maus-Thymusgewebe, HeLa-Zellen, K-562-Zellen

IHC : humanes Lungenkarzinomgewebe,

IF : HepG2-Zellen,

## Hintergrundinformationen

In response to DNA damage, mammalian cells prevent cell cycle progression through the control of critical cell cycle regulators. CHK1 (synonym: CHEK1), a homolog of the Schizosaccharomyces pombe Chk1 protein kinase, is required for the DNA damage checkpoint. Human Chk1 protein is modified in response to DNA damage. In vitro Chk1 binds to and phosphorylate the dual-specificity protein phosphatases Cdc25A, Cdc25B, and Cdc25C, which control cell cycle transitions by dephosphorylating cyclin-dependent kinases. CHK1 can be autophosphorylated(PMID:22941630) and ubiquitinated (PMID:19276361). It has 3 isoforms produced by alternative splicing with the molecular weight of 54 kDa, 44 kDa and 50 kDa.

## Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|---|---|---|---|
| Andrew Best | 25208576 | Nat Commun | WB |
| Xiufang Song | 26451628 | Chem Res Toxicol | WB |
| Xia Li | 30472087 | EBioMedicine | WB |

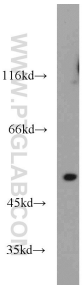
## Lagerung

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

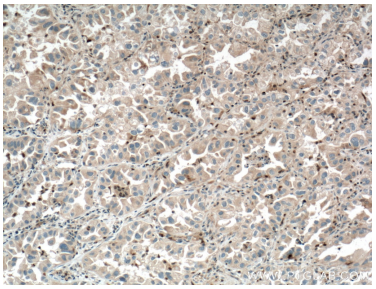
*** 20ul-Größen enthalten 0.1% BSA

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

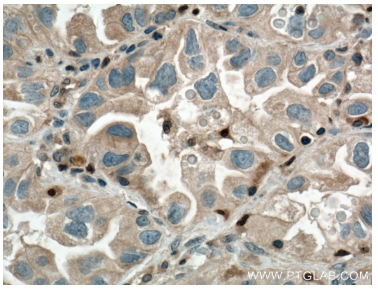
## Ausgewählte Validierungsdaten



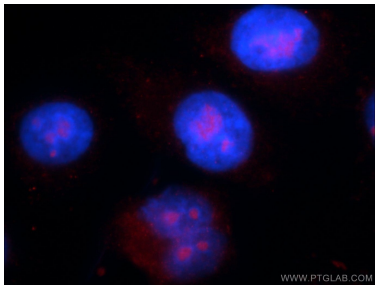

mouse thymus tissue were subjected to SDS PAGE followed by western blot with 10362-1-AP (CHK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



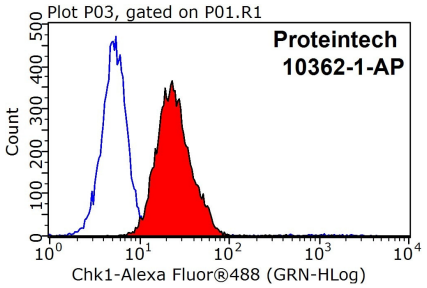
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10362-1-AP (CHK1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10362-1-AP (CHK1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




Immunofluorescent analysis of HepG2 cells using 10362-1-AP (Chk1 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.




1X10^6 HepG2 cells were stained with 0.2ug CHK1 antibody (10362-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.