

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Chk1



Numéro de catalogue: 10362-1-AP

Phare

18 Publications

Informations de base

Numéro de catalogue:
10362-1-AP

Taille:
150ul, Concentration: 240 µg/ml by
Bradford method using BSA as the
standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0409

Numéro d'acquisition GenBank:
BC004202

Identification du gène (NCBI):
1111

Nom complet:
CHK1 checkpoint homolog (S. pombe)

MW calculé
54 kDa

MW observés:
50-55 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IHC 1:50-1:500
IF 1:10-1:100

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer
l'antigène avec un tampon de TE buffer pH
9,0; (*) A défaut, le démasquage de
l'antigène peut être effectué avec un
tampon citrate pH 6,0.**

Contrôles positifs:

WB : tissu de thymus de souris, cellules HeLa, cellules
K-562

IHC : tissu de cancer du poumon humain,

IF : cellules HepG2,

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Andrew Best	25208576	Nat Commun	WB
Xiufang Song	26451628	Chem Res Toxicol	WB
Xia Li	30472087	EBioMedicine	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

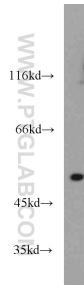
For technical support and original validation data for this product please contact:

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

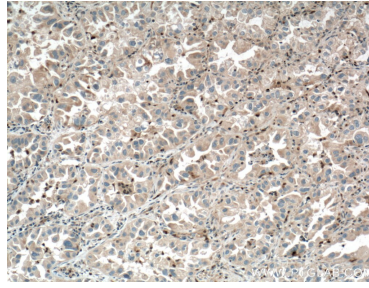
E: proteintech@ptglab.com
W: ptglab.com

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

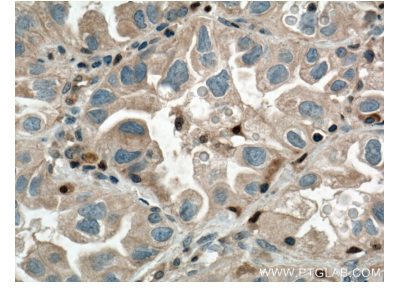
Données de validation sélectionnées



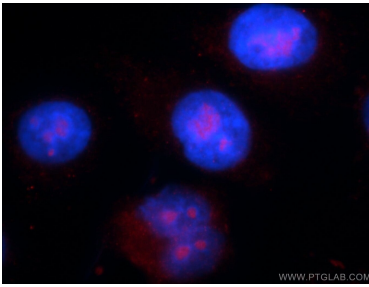
mouse thymus tissue were subjected to SDS PAGE followed by western blot with 10362-1-AP (CHK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



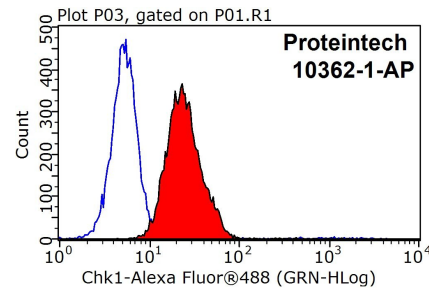
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10362-1-AP (CHK1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



1X10⁶ 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.