

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-CDK2



Numéro de catalogue: 22060-1-AP

Phare

3 Publications

## Informations de base

Numéro de catalogue:

22060-1-AP

Numéro d'acquisition GenBank:

BC003065

Méthode de purification:

Purification par affinité contre l'antigène

Taille:

150ul, Concentration: 700 µg/ml by Nanodrop and 373 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

1017

Dilutions recommandées:

WB 1:1000-1:4000  
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB  
IHC 1:200-1:800  
IF 1:200-1:800

Hôte:

Lapin

Nom complet:

cyclin-dependent kinase 2

MW calculé

298 aa, 34 kDa

Isotype:

IgG

MW observés:

30 kDa

Immunogen Catalog Number:

AG17133

## Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Contrôles positifs:

WB : cellules HL-60, cellules HeLa, cellules K-562

Demandes citées:

IF, WB

IP : cellules K-562,

Spécificité de l'espèce:

Humain

IHC : tissu de cancer du col de l'utérus humain,

IF : cellules HeLa,

Espèces citées:

Humain, souris

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

## Informations générales

CDK2 (Cyclin-dependent kinase 2) is also named as CDKN2 and belongs to the protein kinase superfamily. It is dispensable for myelination but is important for adult oligodendrocyte progenitor cell renewal, and could be one of the underlying mechanisms that drive adult progenitors to differentiate and thus regenerate myelin (PMID:21502361). G2 phase CCNA1/CDK2 controls the timing of entry into mitosis by controlling the subsequent activation of CCNB/CDK1, but also has an unexpected role in coordinating the activation of CCNB/CDK1 at the centrosome and in the nucleus (PMID:18372919). It has 2 isoforms produced by alternative splicing with the molecular weight of 34 kDa and 30 kDa.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Jinhang Hu	33811836	Eur J Pharmacol	IF
Chen Su	36031658	Biomark Res	WB,IF
Andrew Kodani	26297806	Elife	IF

## 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.

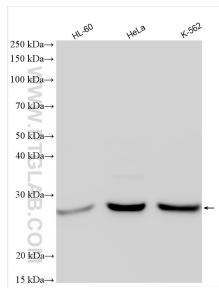
For technical support and original validation data for this product please contact:

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

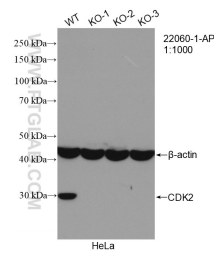
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

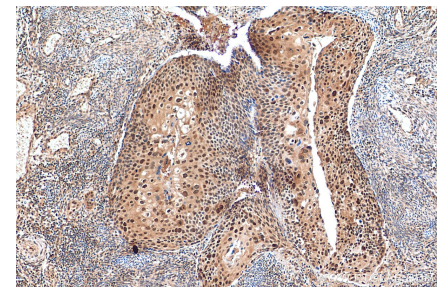
## Données de validation sélectionnées



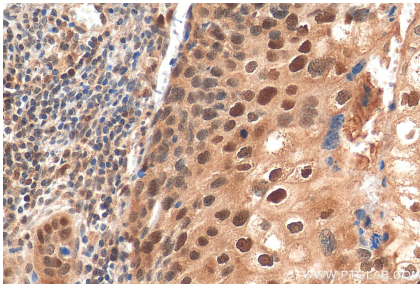
Various lysates were subjected to SDS PAGE followed by western blot with 22060-1-AP (CDK2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



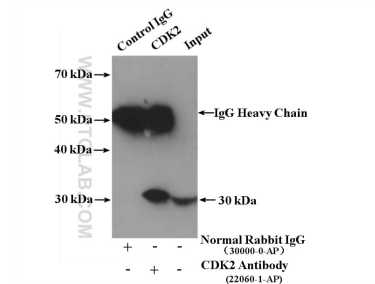
WB result of CDK2 antibody (22060-1-AP; 1:600; room temperature for 1.5 hours) with wild-type and CDK2 knockout HeLa cells.



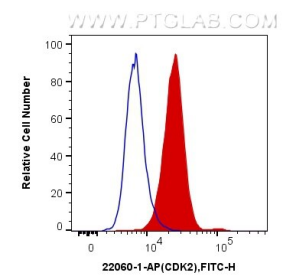
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 22060-1-AP (CDK2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



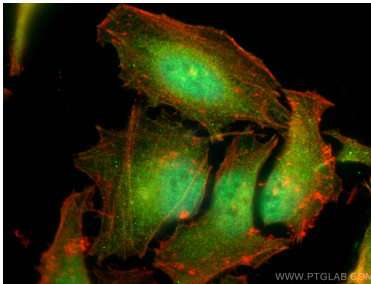
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 22060-1-AP (CDK2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



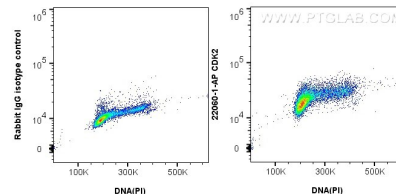
IP Result of anti-CDK2 (IP:22060-1-AP, 4ug; Detection:22060-1-AP 1:300) with K-562 cells lysate 4000ug.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human CDK2 (22060-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug x. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDK2 antibody (22060-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human CDK2 (22060-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).