

CDK2

Monoclonal ANTIBODY

Catalog Number: 60312-1-Ig

3 Publications

Basic Information

Catalog Number: 60312-1-Ig	GenBank Accession Number: BC003065	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Size: 150 µg/150 µl	GeneID (NCBI): 1017	
Source: Mouse	Full Name: cyclin-dependent kinase 2	
Isotype: IgM	Calculated MW: 33 kDa	
Purification Method: Caprylic acid/ammonium sulfate precipitation	Observed MW: 37 kDa	
Immunogen Catalog Number: AG21310		

Applications

Tested Applications:
FC, IHC, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human

Cited Species:
human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : K-562 cells;

IHC : human lymphoma tissue; human cervical cancer tissue

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Changyu Chen	29744291	FEBS Open Bio	WB, IHC
Delong Meng	25669971	Oncotarget	WB
Jie Yang	27923599	Toxicol Lett	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

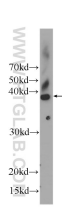
For technical support and original validation data for this product please contact:

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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.

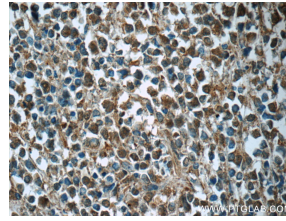
Selected Validation Data



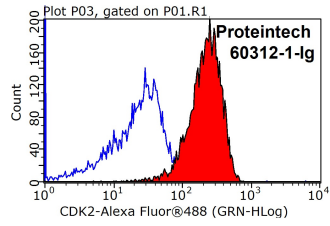
K-562 cells were subjected to SDS PAGE followed by western blot with 60312-1-Ig(CDK2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human lymphoma tissue slide using 60312-1-Ig(CDK2 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human lymphoma tissue slide using 60312-1-Ig(CDK2 Antibody) at dilution of 1:50 (under 40x lens)



1X10⁶ Jurkat cells were stained with 0.2ug CDK2 antibody (60312-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.