

For Research Use Only

CDK2 Recombinant antibody

Catalog Number: 83635-4-RR **1 Publications**



Basic Information

Catalog Number: 83635-4-RR	GenBank Accession Number: BC003065	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1017	CloneNo.: 240580A11
Source: Rabbit	UNIPROT ID: P24941	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: cyclin-dependent kinase 2	
Immunogen Catalog Number: AG17133	Calculated MW: 298 aa, 34 kDa	
	Observed MW: 30-33 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : MCF-7 cells, Jurkat cells, K-562 cells, HEK-293 cells, HeLa cells, HepG2 cells, C6 cells
Cited Applications: WB	
Species Specificity: human, rat	
Cited Species: human	

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
Wei Liu	39240463	Discov Oncol	WB

Storage

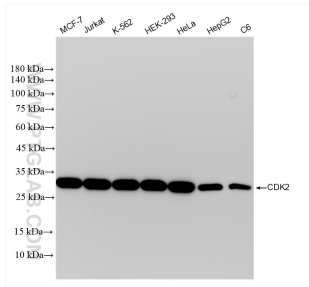
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

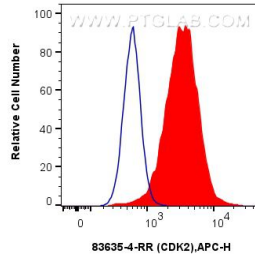
For technical support and original validation data for this product please contact:
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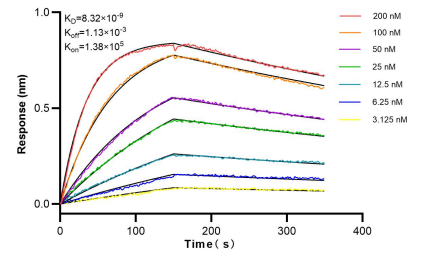
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83635-4-RR (CDK2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug CDK2 Recombinant antibody (83635-4-RR, Clone:240580A11) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 83635-4-RR against Human CDK2 were performed. The affinity constant is 8.32 nM.