

For Research Use Only

CDK12/CRKRS Polyclonal antibody

Catalog Number: 26816-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 26816-1-AP	GenBank Accession Number: BC150265	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1200 µg/ml by Nanodrop;	GeneID (NCBI): 51755	Recommended Dilutions: WB 1:2000-1:16000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NYV4	
Isotype: IgG	Full Name: Cdc2-related kinase, arginine/serine-rich	
Immunogen Catalog Number: AG25323	Calculated MW: 1490 aa, 164 kDa	
	Observed MW: 180-200 kDa	

Applications

Tested Applications: WB, IF, ELISA	Positive Controls: WB : HeLa cells, K-562 cells, Jurkat cells
Cited Applications: WB	IF : HeLa cells,
Species Specificity: human	
Cited Species: human	

Background Information

CRKRS (Cdc2-related kinase, Arg/Ser), also named as cyclin-dependent kinase 12 (CKD12), belongs to CDC2/CDKX subfamily. CDK12 can form a heterodimeric complex with its activating partner, cyclin K, to regulate important cellular physiological processes that include transcriptional regulation, regulation of DNA damage repair genes such as BRCA1 and ATM, suppression of intronic polyadenylation, and susceptibility to PARP inhibitors (PMID: 30487607, 24240700, 31694772). CDK12 has 3 isoforms with the calculated molecular mass of 164/163/141 kDa, and the apparent molecular mass of 180-200 kDa due to some modifications (PMID 11683387, 22988298).

Notable Publications

Author	Pubmed ID	Journal	Application
Yan Liang	34686673	Cell Death Discov	WB
Hui Li	33429148	Eur J Cancer	WB
Mareike Polenkowski	36590164	iScience	WB

Storage

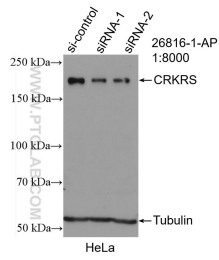
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

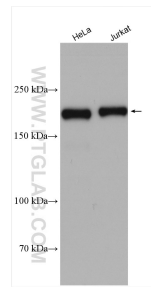
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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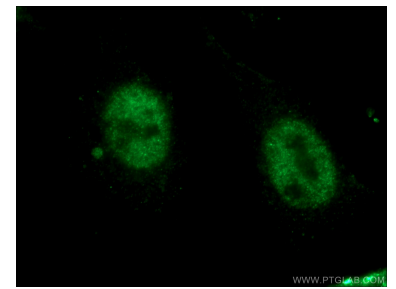
Selected Validation Data



WB result of CDK12/CRKRS antibody (26816-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CDK12/CRKRS transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 26816-1-AP (CDK12/CRKRS antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 26816-1-AP (CRKRS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).