

For Research Use Only

CDK4 Recombinant antibody, PBS Only

Catalog Number:83994-3-PBS



Basic Information

Catalog Number: 83994-3-PBS	GenBank Accession Number: BC010153	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1019	CloneNo.: 241053F10
Source: Rabbit	UNIPROT ID: P11802	
Isotype: IgG	Full Name: cyclin-dependent kinase 4	
Immunogen Catalog Number: AG20538	Calculated MW: 34 kDa	
	Observed MW: 30-34 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
human

Background Information

Cyclin-dependent kinase-4 (CDK4) is a protein-serine kinase involved in the cell cycle. It is essential for the G1-to-S-phase transition during the cell cycle, and its expression is primarily controlled at the transcriptional level (PMID:17253961). The CCND1-CDK4 axis is critical not only in glial tumor cells but also in stromal-derived cells in the surrounding tumor microenvironment, which are vital to sustain tumor outgrowth (PMID:21844184).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

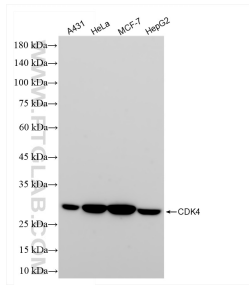
For technical support and original validation data for this product please contact:

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

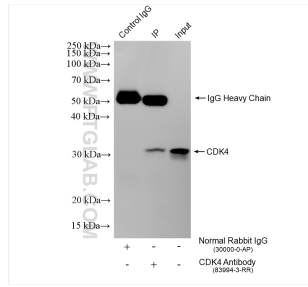
E: proteintech@ptglab.com
W: ptglab.com

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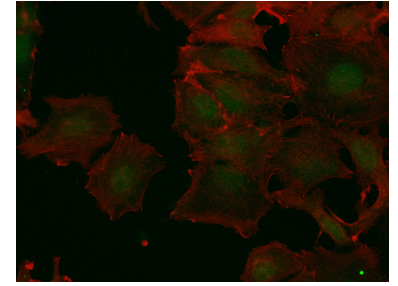
Selected Validation Data



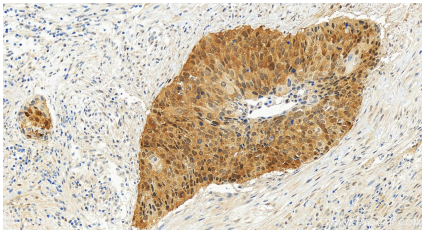
Various lysates were subjected to SDS PAGE followed by western blot with 83994-3-RR (CDK4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83994-3-PBS in a different storage buffer formulation.



IP result of anti-CDK4 (IP:83994-3-RR, 4ug; Detection:83994-3-RR 1:500) with HeLa cells lysate 1280 ug. This data was developed using the same antibody clone with 83994-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CDK4 antibody (83994-3-RR, Clone: 241053F10) at dilution of 1:400 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83994-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cervical squamous cancer tissue slide using 83994-3-RR (CDK4 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83994-3-PBS in a different storage buffer formulation.