CDK4 Antibody, Rabbit PAb, Antigen Affinity Purified

Catalog Number: **100873-T46**

GENERAL INFORMATION	
Immunogen:	A synthetic peptide corresponding to the N-terminus of the Human CDK4
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human CDK4, and purified by antigen affinity chromatography.
Ig Type:	Rabbit IgG
Specificity:	Human CDK4
Formulation:	0.2 μm filtered solution in PBS
Storage:	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Alternative Names:	CMM3,PSK-J3
APPLICATIONS	
Applications:	WB,IHC-P,ICC/IF,IP
RECOMMENDED CONCENTRATION	
IHC-P	IHC-P: 1:500-1:2000
ICC/IF	ICC/IF: 1:300-1:10000
Western Blot	WB: 1:500-1:2000
Immunoprecipitation	IP: 4-8 μL/mg of lysate

Please Note: Optimal concentrations/dilutions should be determined by the end user.

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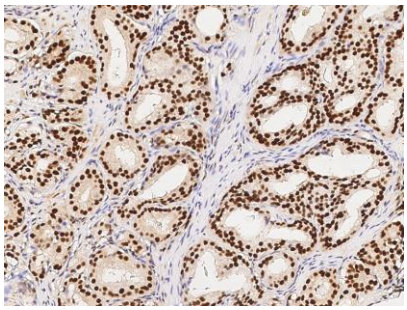
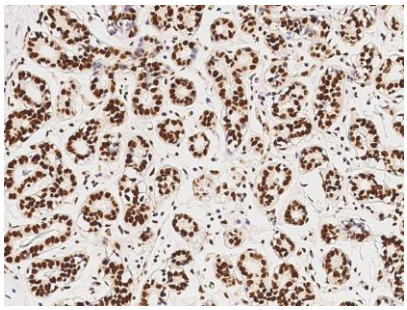
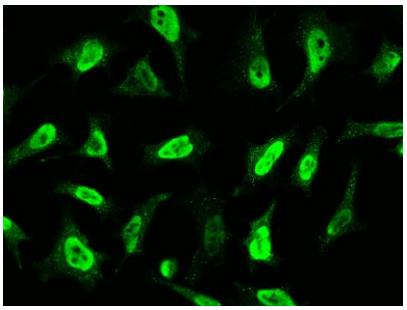


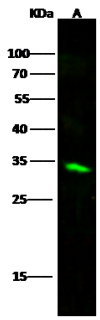
Immunochemical staining of human CDK4 in human prostatic carcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



Immunochemical staining of human CDK4 in human breast with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



Immunofluorescence staining of CDK4 in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-human CDK4 polyclonal antibody (1:1000) at 4℃ overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green).Positive staining was localized to cytoplasm and nucleus.



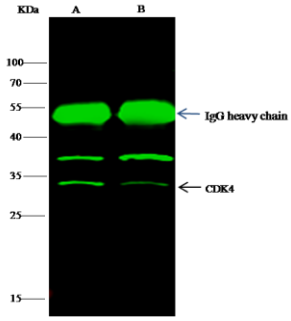
Anti-CDK4 rabbit polyclonal antibody at 1:500 dilution
Lane A: 293 Whole Cell Lysate

Lysates/proteins at 30 µg per lane.

Secondary
Goat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution.

Developed using the Odyssey technique.
Performed under reducing conditions.

Predicted band size:34 kDa
Observed band size:34 kDa



CDK4 was immunoprecipitated using:
Lane A:0.5 mg 293T Whole Cell Lysate
Lane B:0.5 mg MCF-7 Whole Cell Lysate

4 µL anti-CDK4 rabbit polyclonal antibody and 15 µl of 50 % Protein G agarose.

Primary antibody:
Anti-CDK4 rabbit polyclonal antibody,at 1:100 dilution

Secondary antibody:
Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution

Developed using the odssey technique.
Performed under reducing conditions.

Predicted band size: 34 kDa
Observed band size: 34 kDa