

CDK4 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Bovine
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant Human CDK4 Protein (Met1-Glu303)
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A, Antigen affinity chromatography
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2787776

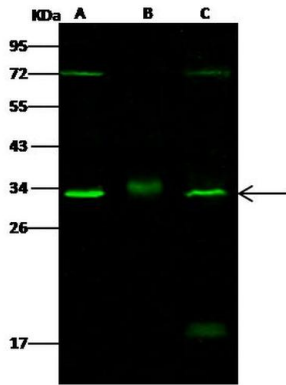
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:500-1:2,000	-
Immunocytochemistry (ICC/IF)	1:300-1:10,000	1 Publication
ELISA (ELISA)	1:5,000-1:10,000	-
Immunoprecipitation (IP)	1-4 µL/mg of lysate	-

Product Specific Information

This product is preservative free. It is recommended to add sodium azide to avoid contamination (final concentration 0.05% -0.1%).

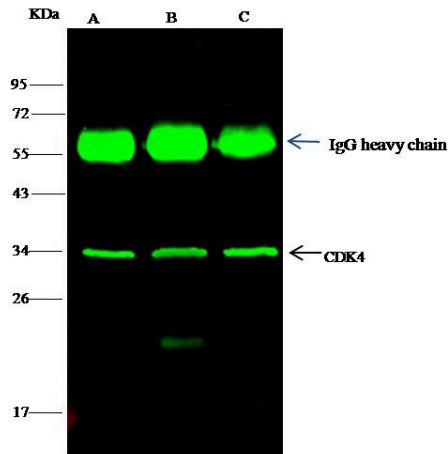
This antibody has specificity for Human CDK4.

Product Images For CDK4 Polyclonal Antibody



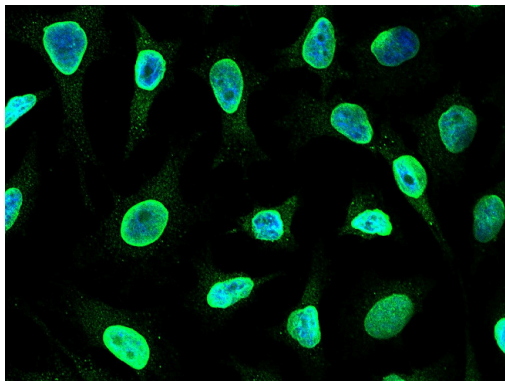
CDK4 Antibody (PA5-80462) in WB

Western Blot using CDK4 Polyclonal Antibody (Product # PA5-80462) at 1:500 dilution. Lane A: Hela Whole Cell Lysate, Lane B: MCF7 Whole Cell Lysate, Lane C: K562 Whole Cell Lysate. Lysates/proteins at 30 g per lane. Secondary Goat Anti- RabbitIgG H&L (DyLight™ 800) at 1:10,000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 34 kDa. Observed band size: 33 kDa. (We are unsure of the identity of these extra bands).



CDK4 Antibody (PA5-80462) in IP

CDK4 Immunoprecipitation using: Lane A: 0.5 mg HepG2 Whole Cell Lysate, Lane B: 0.5 mg k562 Whole Cell Lysate, Lane C: 0.5 mg Hela Whole Cell Lysate 2 µL with CDK4 Polyclonal Antibody (Product # PA5-80462) and 15 µL of 50 % Protein G agarose. Primary antibody: CDK4 Polyclonal Antibody, at 1:100 dilution. Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5,000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 34 kDa. Observed band size: 34 kDa.



CDK4 Antibody (PA5-80462) in ICC/IF

Immunofluorescence staining of CDK4 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with CDK4 Polyclonal Antibody (Product # PA5-80462, 1:1,000) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm and nucleus.

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Immunocytochemistry (1)

Biotechnology letters	Year 2021
Simultaneous detection of multiple mRNAs and proteins in bovine IVD cells and tissue with single cell resolution.	Species Bovine
"PA5-80462 was used in Immunocytochemistry to develop a simple, sequential protocol combining RNA is situ hybridisation (RISH) and (IHC) for the simultaneous analysis of multiple transcripts alongside proteins."	Dilution 1:100
Authors: Li K,Varden L,Henderson A,Lufkin T,Kraus P	

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