

# CDK6 Polyclonal Antibody

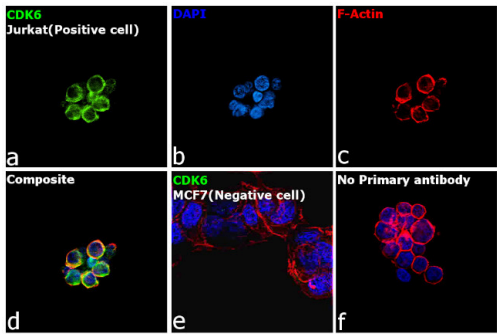
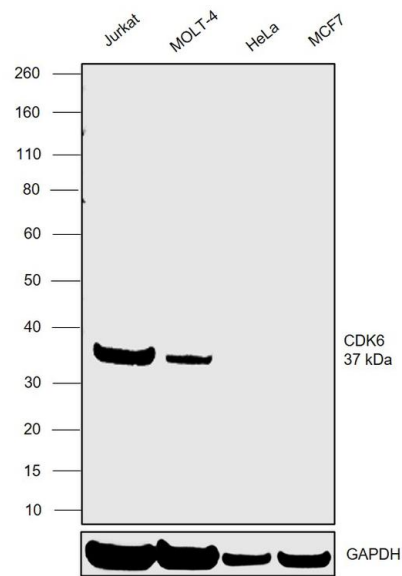
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide within residues of CDK6 aa 267-326
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 40% Glycerol, 0.2% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2802746

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (IHC)	1:200	-
Immunocytochemistry (ICC/IF)	1:100-1:200	-

Product Images For CDK6 Polyclonal Antibody

CDK6 Antibody (PA5-85945) in WB

Western blot was performed using Anti-CDK6 Polyclonal Antibody (Product # PA5-85945) and a 37 kDa band corresponding to CDK6 was observed in Jurkat and MOLT-4 but not in MCF7 and HeLa. Whole cell extracts (30 µg lysate) of Jurkat (Lane 1), MOLT-4 (Lane 2), HeLa (Lane 3) and MCF7(Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB24001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 4000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



CDK6 Antibody (PA5-85945)

Antibody specificity was demonstrated by the detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-CDK6 Polyclonal Antibody (Product # PA5-85945), shows expression in Jurkat in comparison to HeLa. Relative Expression. {RE}

CDK6 Antibody (PA5-85945) in ICC/IF

Immunofluorescence analysis of CDK6 was performed using 70% confluent log phase Jurkat cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with CDK6 Polyclonal Antibody (Product # PA5-85945) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing cytoplasmic and nuclear localization. Panel e represents MCF7 showing no expression of CDK6. Panel f represents control Jurkat cells with no primary antibody to assess background. The images were captured at 60X magnification.

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