

Cdc25B Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues at the carboxy terminus of human cdc25B
Form	Liquid
Concentration	278 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_11003214

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

Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For Cdc25B Polyclonal Antibody

Cdc25B Antibody (PA5-17759) in WB

Western blot was performed using anti-CDC25B Polyclonal Antibody (Product # PA5-17759) and a 63 kDa band corresponding to CDC25B was observed across cell lines along with an uncharacterized band (*) at ~15 kDa. Expression of CDC25B decreased upon serum starvation in HeLa cells. Whole cell extracts (30 µg lysate) of Daudi (Lane 1), Karpas 299 (Lane 2), Hep G2 (Lane 3), A-549 (Lane 4), U-87MG (Lane 5), THP-1 (Lane 6), HeLa (Lane 7) and HeLa cells serum starved for 15 hours (Lane 8) were electrophoresed using NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) 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 FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

Cdc25B Antibody (PA5-17759)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with CDC25B siRNA and reduction of signal was observed in Western Blot using CDC25B Polyclonal Antibody (Product # PA5-17759). {KD}

Cdc25B Antibody (PA5-17759) in ICC/IF

Immunofluorescence analysis of CDC25B was performed using 70% confluent log phase HeLa and serum starved HeLa cells. The cells were fixed with 4% Paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 10 minutes at room temperature. The cells were labeled with CDC25B Polyclonal Antibody (Product # PA5-17759) at 1: 100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731) at 1:2000 dilution for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image of HeLa showing nuclear and cytoplasmic localization. Panel e represents HeLa cells, serum starved for 15 hours showing reduced signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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