9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Cdk4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2305

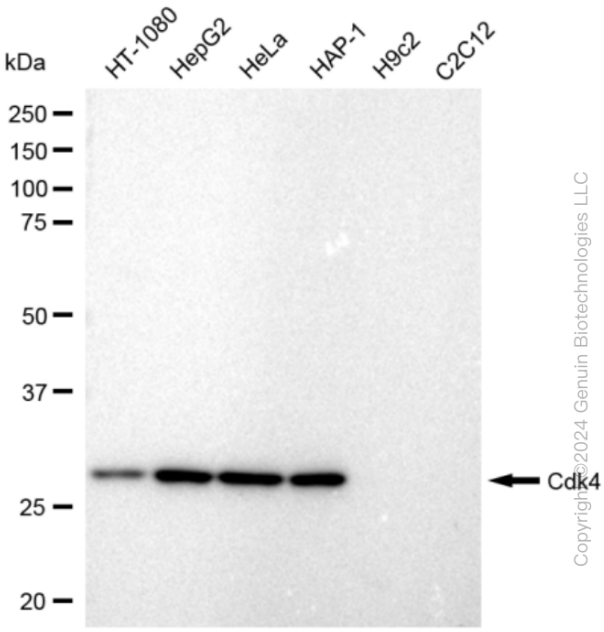
Product Overview

Name	KD-Validated Anti-Cdk4 Rabbit Monoclonal Antibody
Accession(Primary)	P11802
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Cdk4
Species Reactivity	Human
Calculated MW	Predicted, 34 kDa ; Observed, 30 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Immunocytochemical (IC): 1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (P11802)

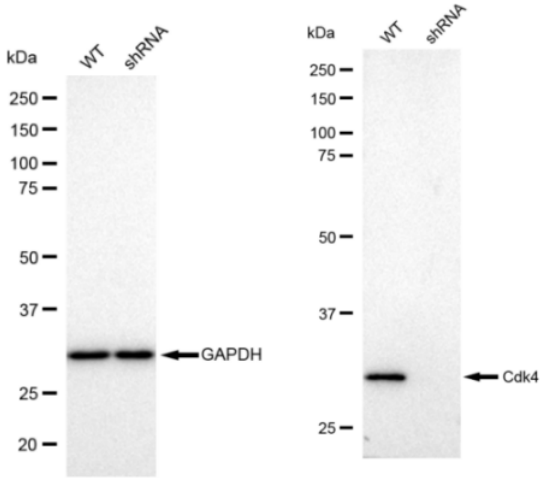
Gene Name	CDK4
About Gene Symbol	CDK4 (Cyclin Dependent Kinase 4) is a protein kinase and signaling regulator involved in cell cycle regulation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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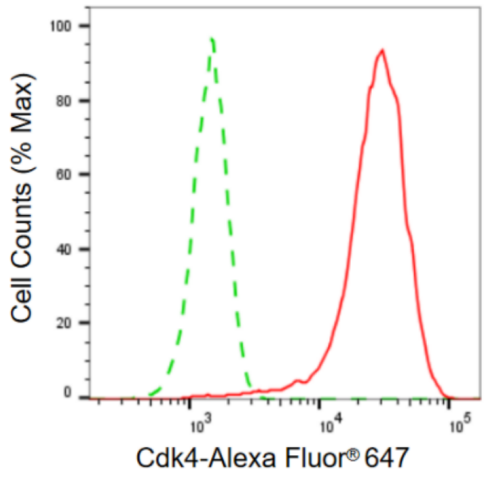
Western blotting analysis using anti-Cdk4 antibody (Cat#ABG2305). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Cdk4 antibody (Cat#ABG2305, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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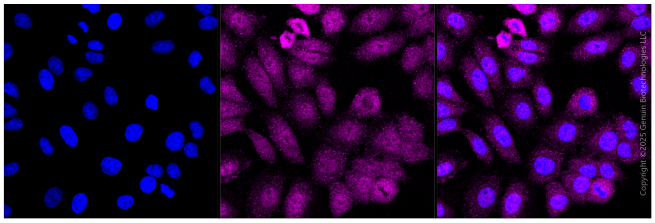
Western blotting analysis using anti-Cdk4 antibody (Cat#ABG2305). Cdk4 expression in wild type (WT) and Cdk4 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. GAPDH serves as a loading control. The blot was incubated with anti-Cdk4 antibody (Cat#ABG2305,1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (Cat.#201,1:50,000) respectively.

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Flow cytometric analysis of Cdk4 expression in HepG2 cells using Cdk4 antibody (Cat#ABG2305,1:2,000). Green, isotype control; red, Cdk4.



Immunocytochemical staining of HepG2 cells with CDK4 antibody(Cat#ABG2305, 1:1,000). Nuclei were stained blue with DAPI; CDK4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.