9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Cyclin Dependent Kinase 4 Mouse Monoclonal Antibody

Mouse monoclonal antibody

ABG1782

Product Overview

Name	KD-Validated Anti-Cyclin Dependent Kinase 4 Mouse Monoclonal Antibody
Accession(Primary)	P11802
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Immunogen	Recombinant protein of human CDK4
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 34 kDa , observed , 33 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:2,500-1:5,000 Immunocytochemistry (IC): 1:1,000

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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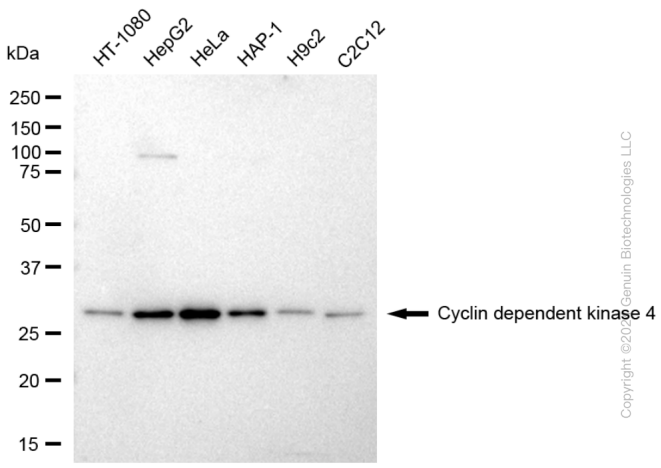
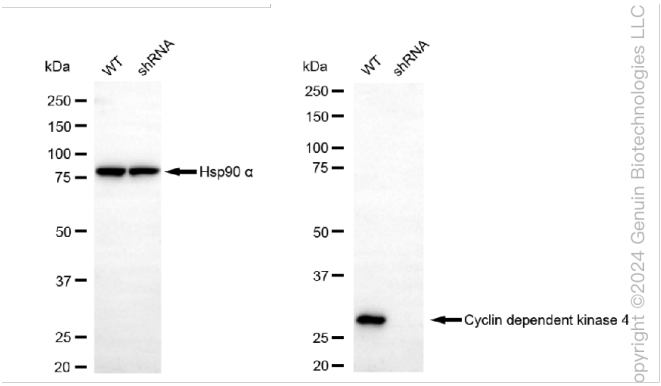
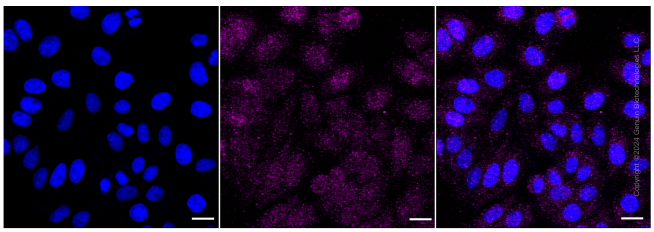


Western blotting analysis using anti-Cyclin dependent kinase 4 antibody (Cat#ABG1782). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Cyclin dependent kinase 4 antibody (Cat#ABG1782, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-Cyclin dependent kinase 4 antibody (Cat#ABG1782). Cyclin dependent kinase 4 expression in wild type (WT) and Cyclin dependent kinase 4 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Cyclin dependent kinase 4 antibody (Cat#ABG1782, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with anti-cyclin dependent kinase 4 antibody (Cat#ABG1782, 1:1,000). Nuclei were stained blue with DAPI; Cyclin dependent kinase 4 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.