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

# KD-Validated Anti-Checkpoint Kinase 2 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

ABG1836

## Product Overview

| | |
|---|---|
| **Name** | KD-Validated Anti-Checkpoint Kinase 2 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | O96017 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | Recombinant protein of human Chk2 |
| **Species Reactivity** | Human |
| **Calculated MW** | Predicted, 61 kDa, observed, 61 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 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (O96017)

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|---|---|
| **Gene Name** | CHEK2 |
| **About Gene Symbol** | CHEK2 (Checkpoint Kinase 2) is a serine/threonine protein kinase 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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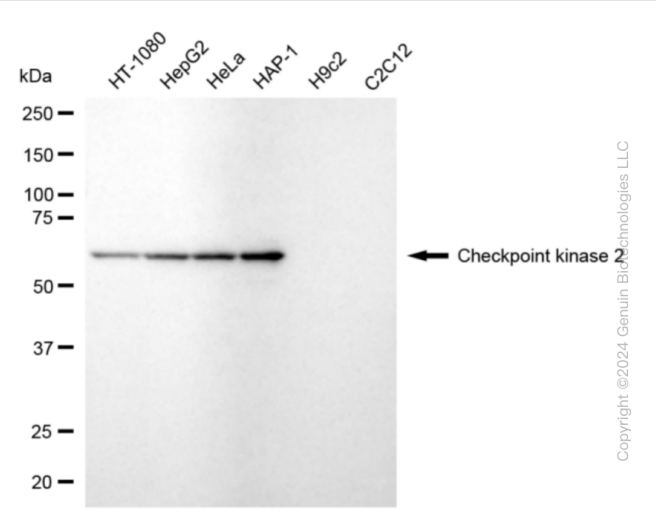
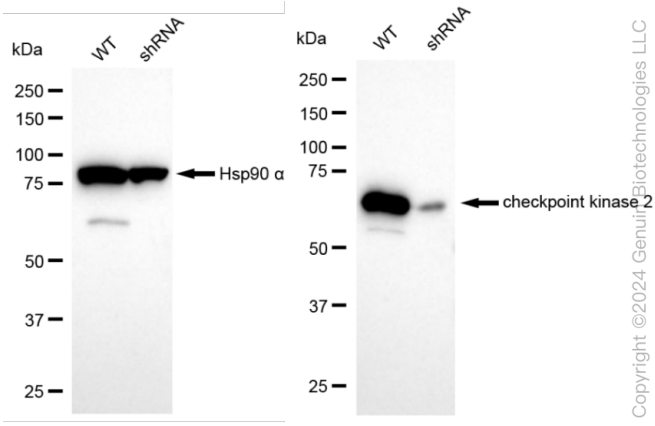
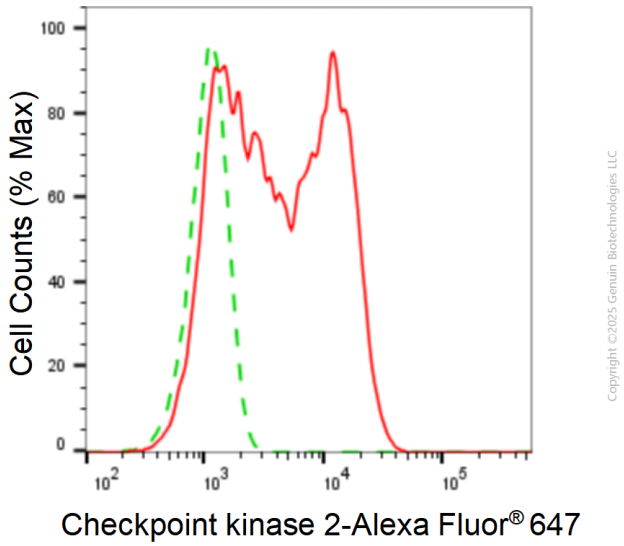



Western blotting analysis using anti-checkpoint kinase 2 antibody (Cat#ABG1836). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-checkpoint kinase 2 antibody (Cat#ABG1836, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




Western blotting analysis using anti-checkpoint kinase 2 antibody (Cat#ABG1836). Checkpoint kinase 2 expression in wild type (WT) and checkpoint kinase 2 (CHEK2) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-checkpoint kinase 2 antibody (Cat#ABG1836, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




Flow cytometric analysis of Checkpoint kinase 2 expression in HAP-1 cells using anti-Checkpoint kinase 2 antibody (Cat#ABG1836, 1:2,000). Green, isotype control; red, Checkpoint kinase 2.

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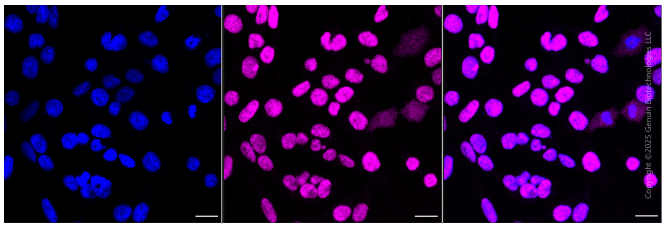

Immunocytochemical staining of HAP1 cells with anti-Checkpoint kinase 2 antibody (Cat#ABG1836, 1:1,000). Nuclei were stained blue with DAPI;Checkpoint kinase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.