

# KD-Validated Anti-Checkpoint Kinase 1 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 61571**

## Aliases

CHEK1; Checkpoint Kinase 1; CHK1; Serine/Threonine-Protein Kinase Chk1; Cell Cycle Checkpoint Kinase; CHK1 Checkpoint Homolog; EC 2.7.11.1; Checkpoint, S. Pombe, Homolog Of, 1; CHK1 (Checkpoint, S.Pombe) Homolog; CHK1 Checkpoint Homolog (S. Pombe); Checkpoint Kinase-1 4; EC 2.7.11; OZEMA21; Chk1-S

## Background

Gene Name: CHEK1

NCBI Gene Entry: [1111](#)

UniProt Entry: [O14757](#)

## Application Information

Molecular Weight: Predicted, 54 kDa, observed, 54 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB2890

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human Chk1

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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### SUPPORT

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### ORDERS

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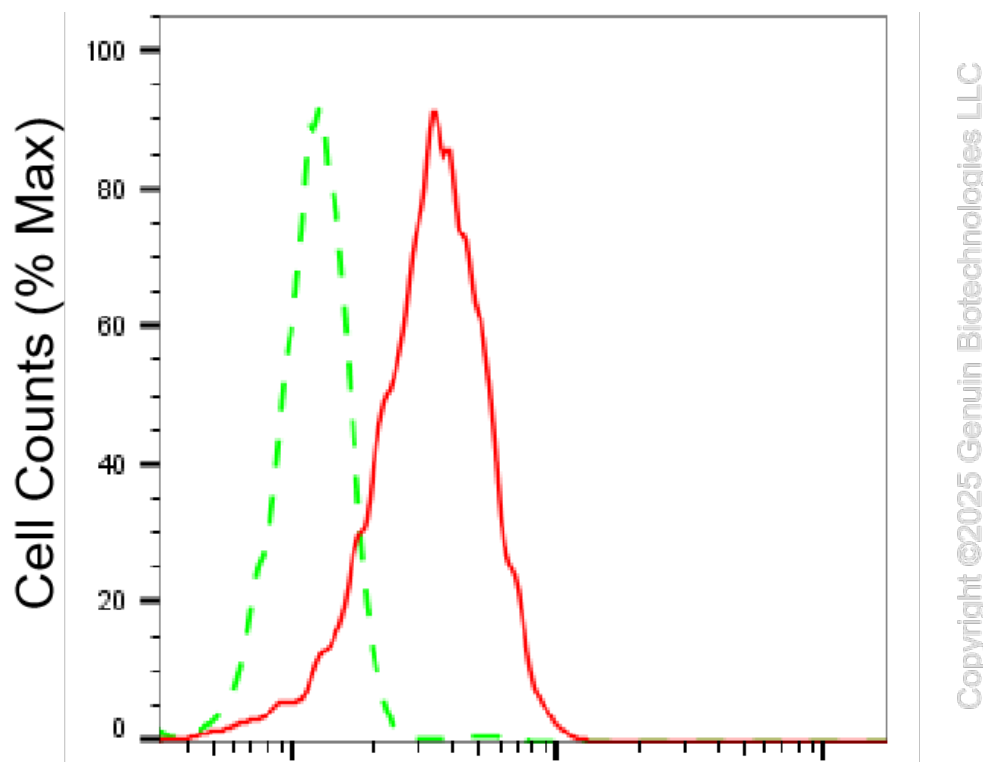
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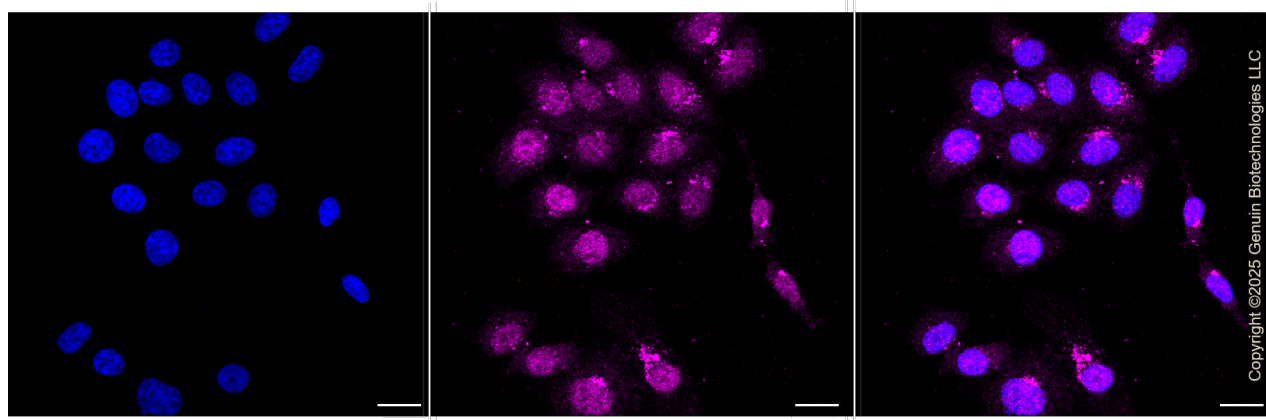
**Note:** This product is for research use only.

## Validation Data



### Checkpoint kinase 1-Alexa Fluor® 647

Flow cytometric analysis of Checkpoint kinase 1 expression in HepG2 cells using anti-Checkpoint kinase 1 antibody (Cat#61571, 1:2,000). Green, isotype control; red, Checkpoint kinase 1.



Immunocytochemical staining of HepG2 cells with anti-Checkpoint kinase 1 antibody (Cat#61571, 1:1,000). Nuclei were stained blue with DAPI; Checkpoint kinase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance

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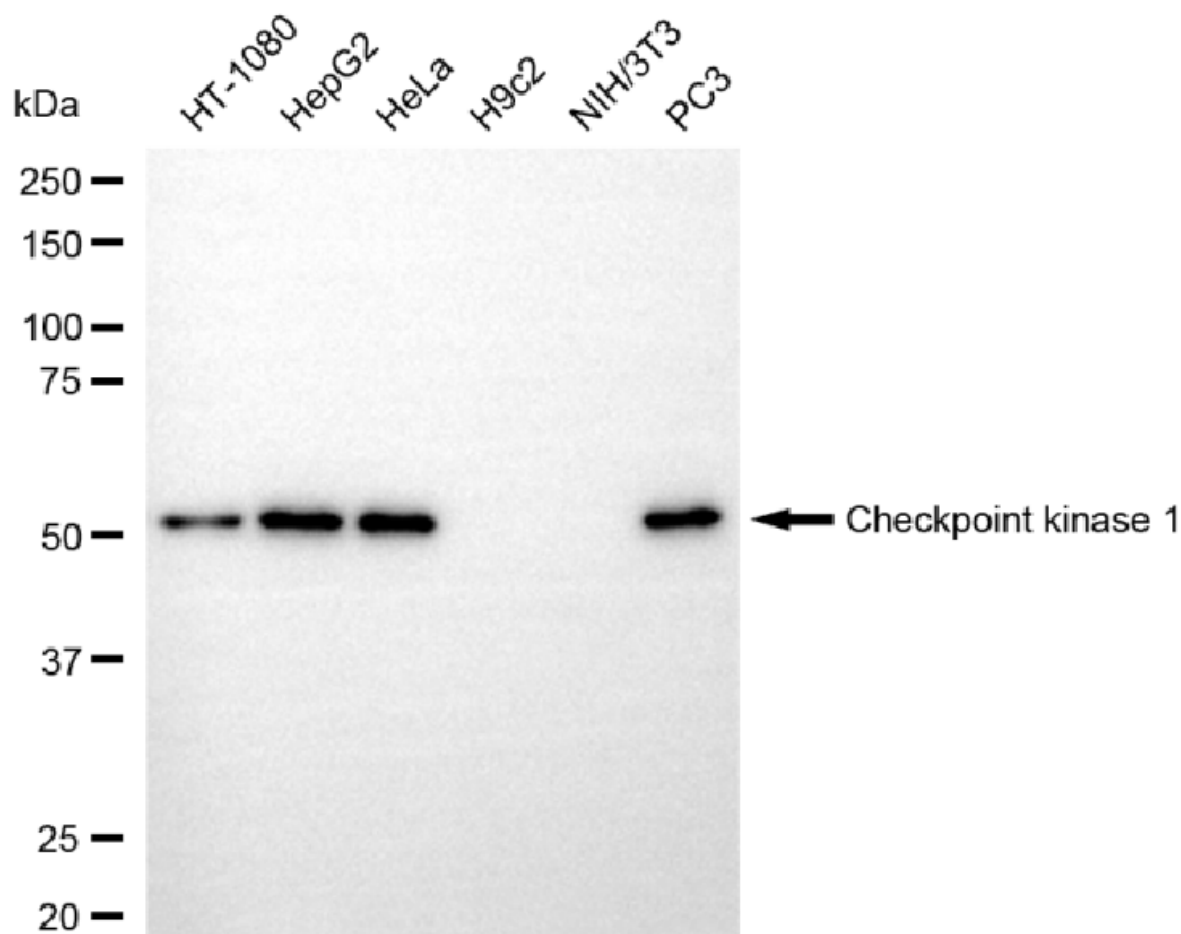
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Western blotting analysis using anti-checkpoint kinase 1 antibody (Cat#61571). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-checkpoint kinase 1 antibody (Cat#61571, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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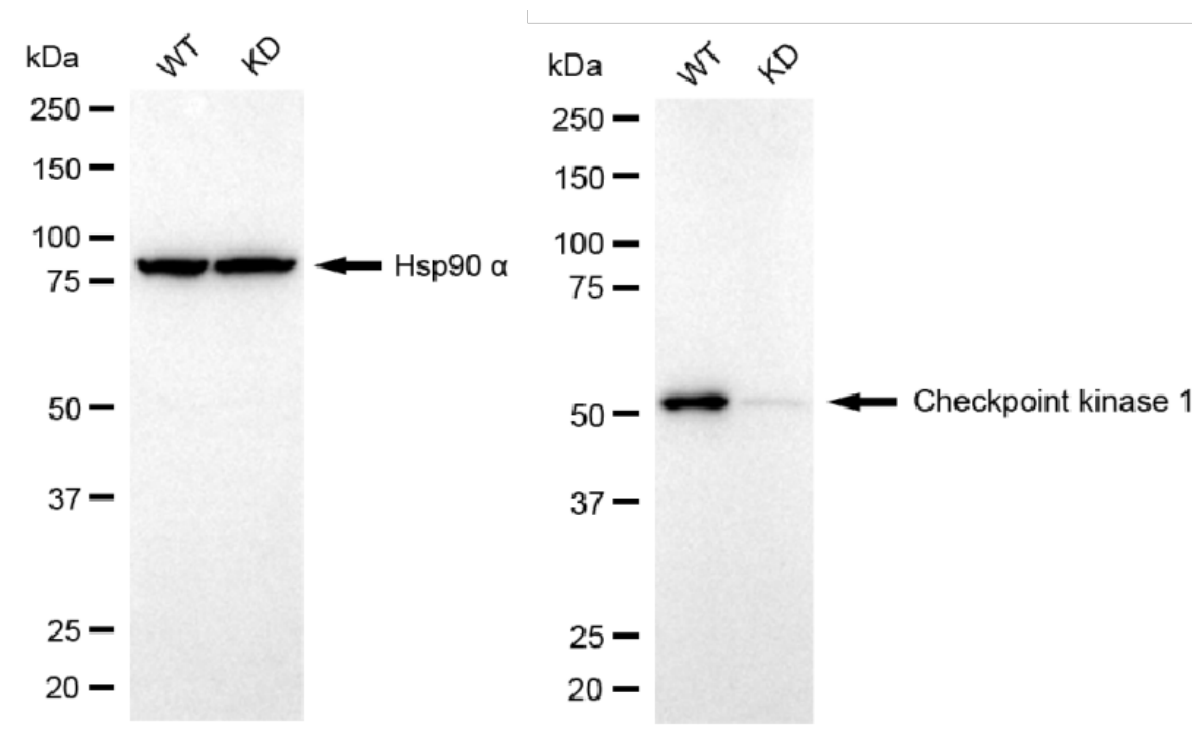
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Western blotting analysis using anti-checkpoint kinase 1 antibody (Cat#61571). Checkpoint kinase 1 expression in wild-type (WT) and checkpoint kinase 1 (CHEK1) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-checkpoint kinase 1 antibody (Cat#61571, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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