

Anti-Checkpoint Kinase 1 Mouse Monoclonal Antibody



Catalog #: 2831

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; 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: Mouse monoclonal antibody

Clone ID: 24GB2745

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), immunocytochemistry (IC)

Immunogen

Recombinant protein of human CHK1

Isotype

Mouse IgM

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): 1:2,500-1:5,000

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

Note: This product is for research use only.

SUPPORT

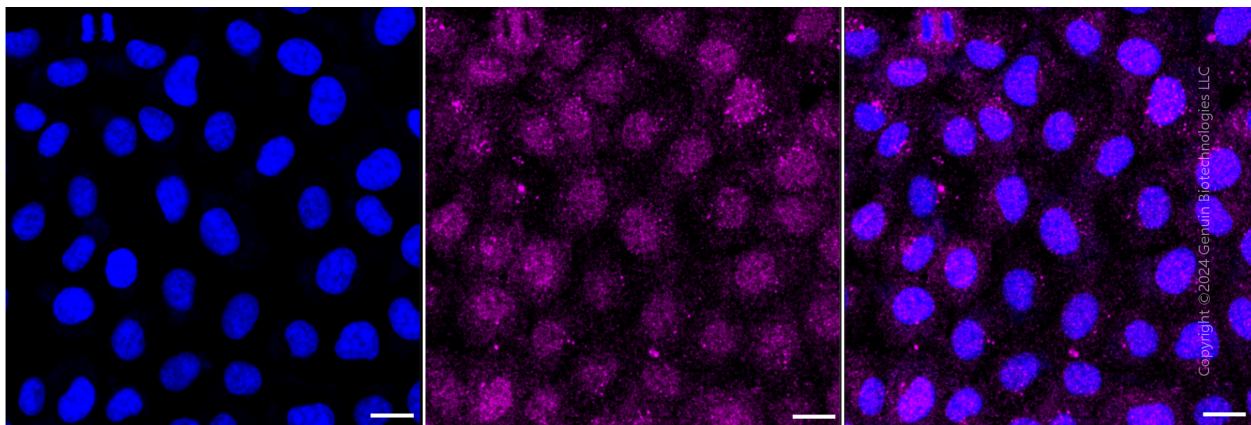
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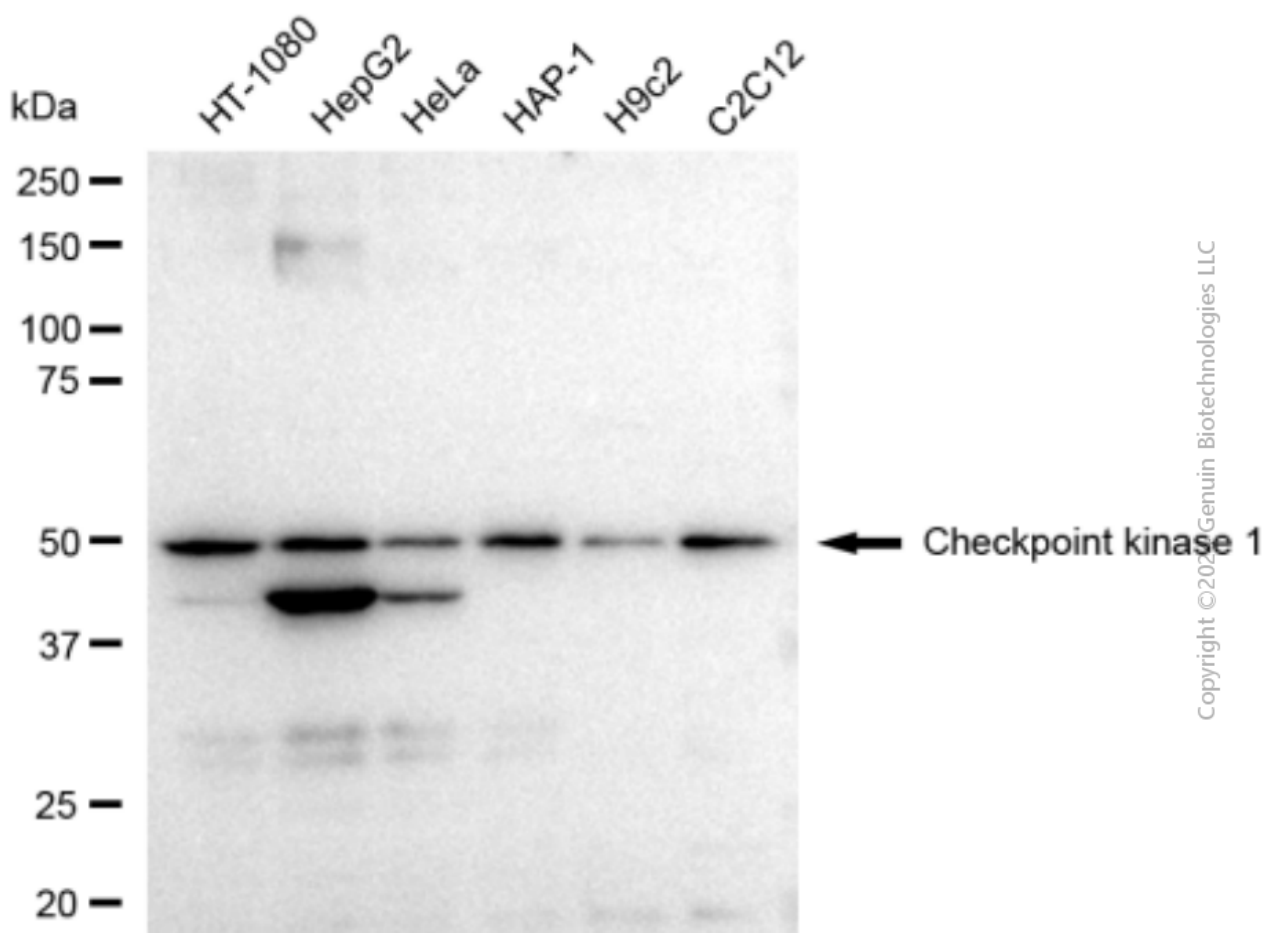
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Validation Data



Immunocytochemical staining of HT-1080 cells with anti-Checkpoint kinase 1 antibody (Cat#2831, 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 based on laser Intensity and smart gain: Low. Scale bar: 20 μ m.



Western blotting analysis using anti-Checkpoint kinase 1 antibody (Cat#2831). Total cell lysates

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(30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Checkpoint kinase 1 antibody (Cat#2831, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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