

# KD-Validated Anti-NEK7 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 61493**

## Aliases

NIMA Related Kinase 7; NIMA (Never In Mitosis Gene A)-Related Kinase 7; Serine/Threonine-Protein Kinase Nek7; Never In Mitosis A-Related Kinase 7; NimA-Related Protein Kinase 7; EC 2.7.11.34; EC 2.7.11.1

## Background

Gene Name: NEK7

NCBI Gene Entry: [140609](#)

UniProt Entry: [Q8TDX7](#)

## Application Information

Molecular Weight: Predicted, 35 kDa, observed, 35 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB2885

Species Reactivity: Human, mouse, rat

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

## Immunogen

A synthesized peptide derived from human NEK7

## 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

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

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### ORDERS

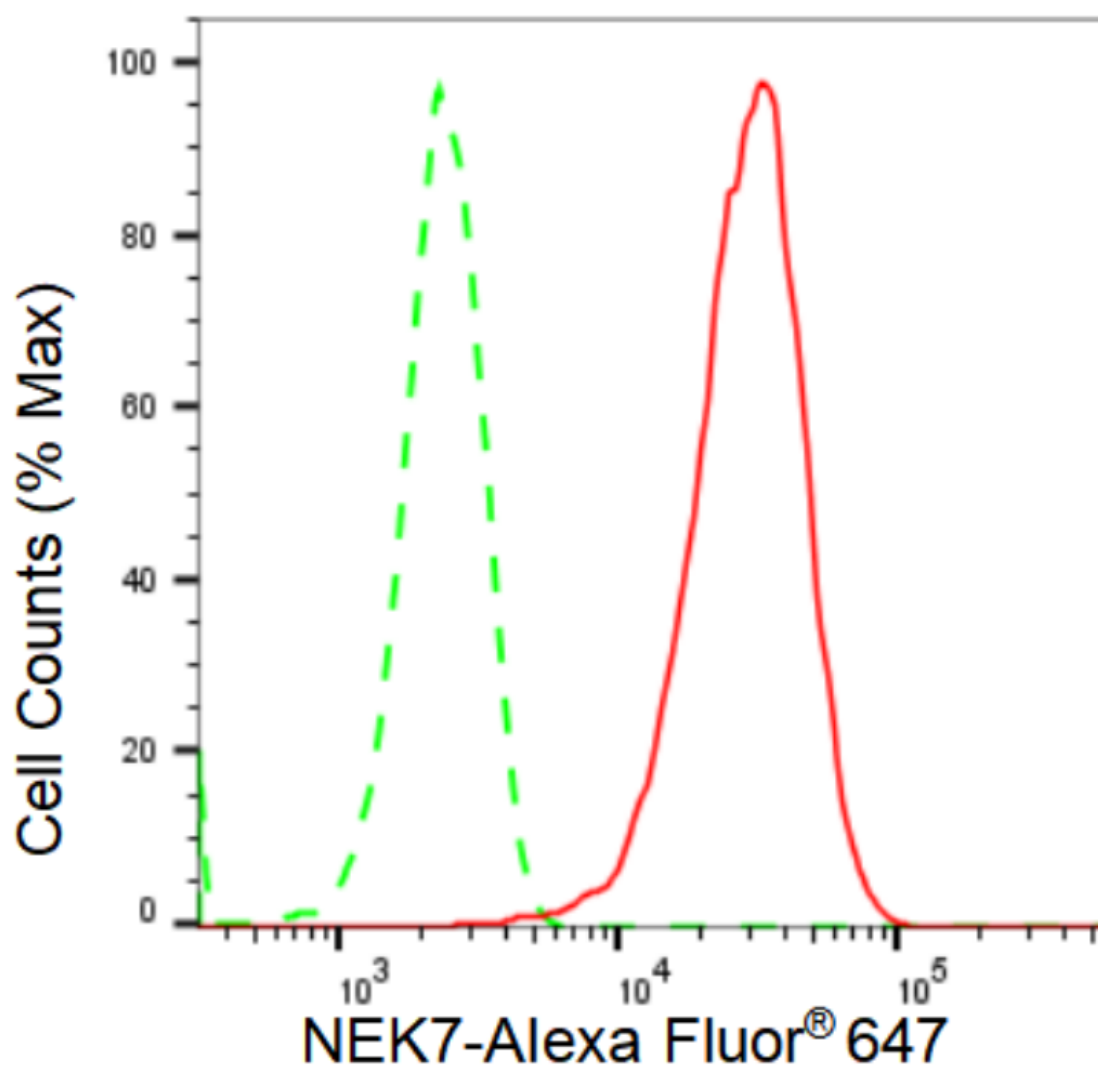
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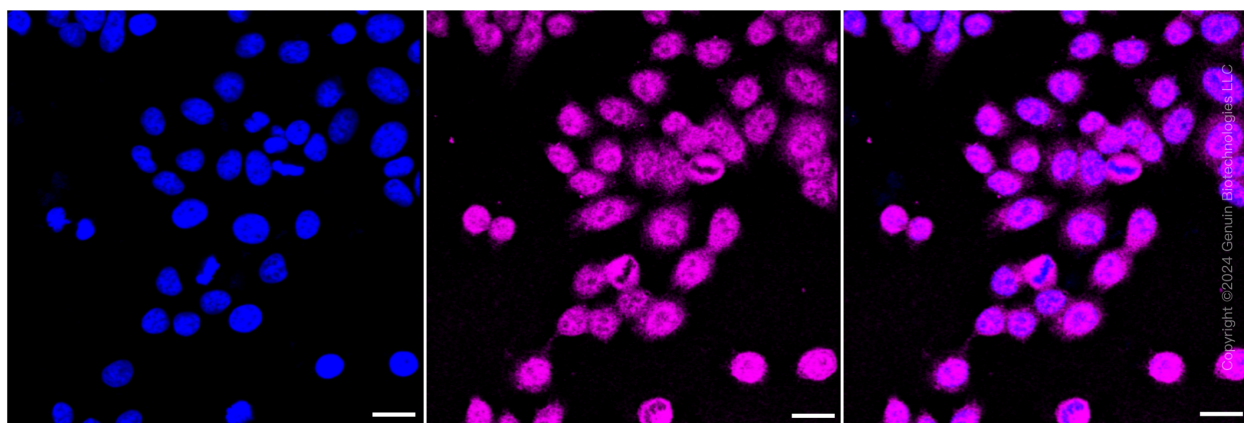
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## Validation Data



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Flow cytometric analysis of NEK7 expression in HepG2 cells using NEK7 antibody (Cat#61493, 1:2,000). Green, isotype control; red, NEK7.



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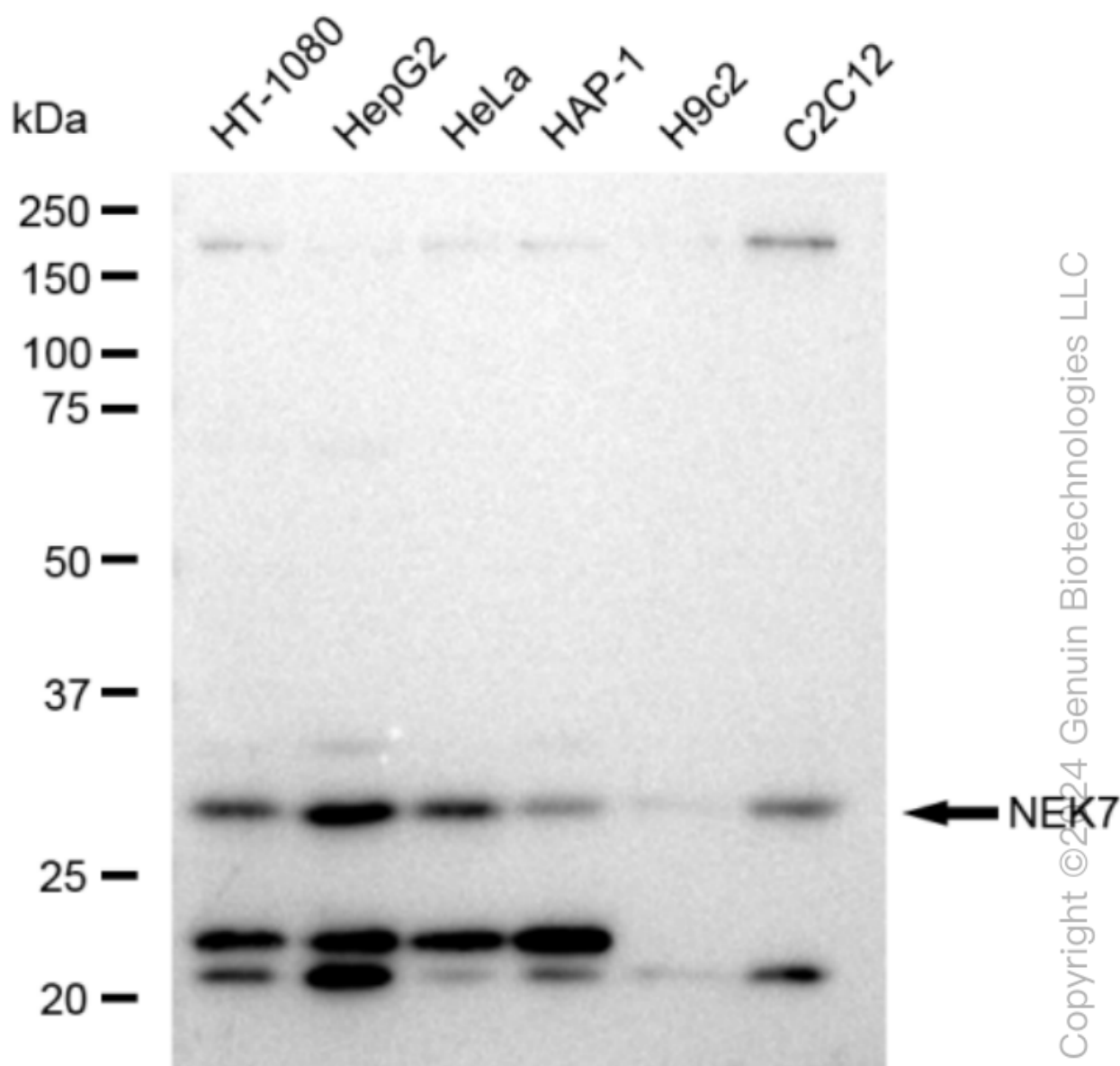
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Immunocytochemical staining of HepG2 cells with NEK7 antibody (Cat#61493, 1:1,000). Nuclei were stained blue with DAPI; NEK7 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.



Western blotting analysis using anti-NEK7 antibody (Cat#61493). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NEK7 antibody (Cat#61493, 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).

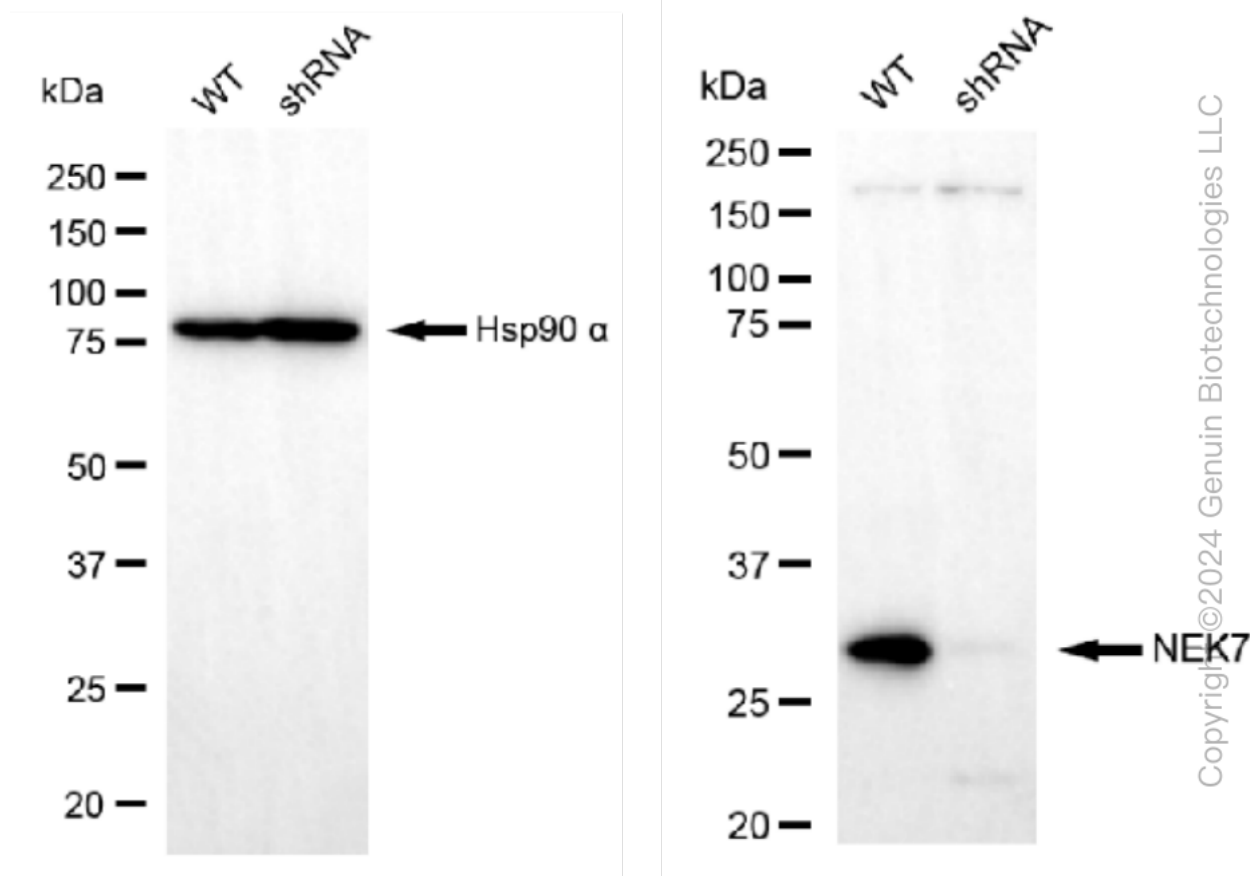
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Western blotting analysis using anti-NEK7 antibody (Cat#61493). NEK7 expression in wild type (WT) and NEK7 shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-NEK7 antibody (Cat#61493, 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).