

KD-Validated Anti-NEK2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

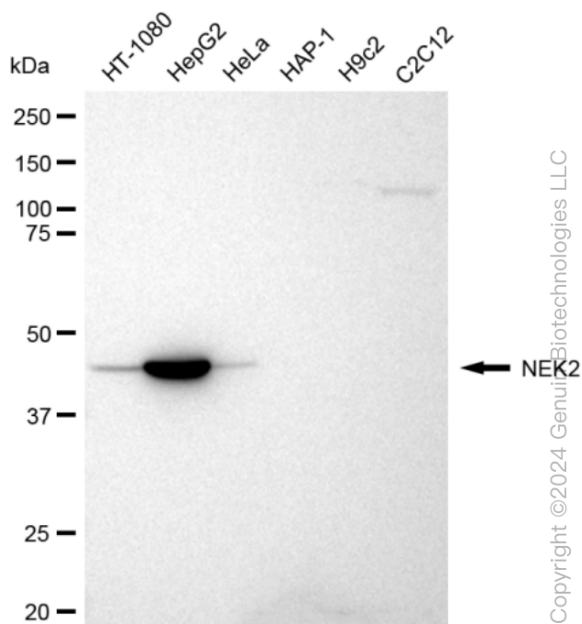
ABG1050

Product Overview

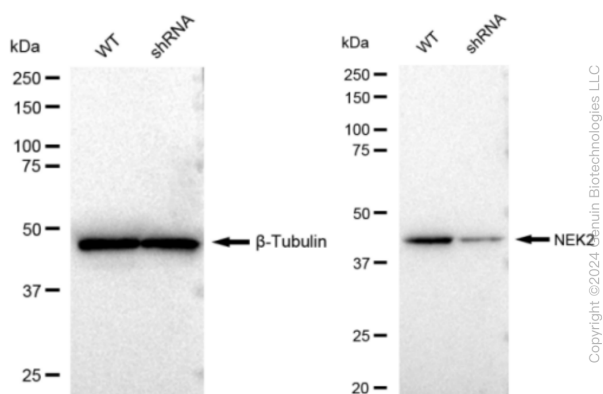
Name	KD-Validated Anti-NEK2 Rabbit Monoclonal Antibody
Accession(Primary)	P51955
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human NEK2
Species Reactivity	Human
Calculated MW	Predicted, 52 kDa , observed, 48 kDa
Storage Buffer	Supplied in PBS (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): 1:1,000

Target information (P51955)

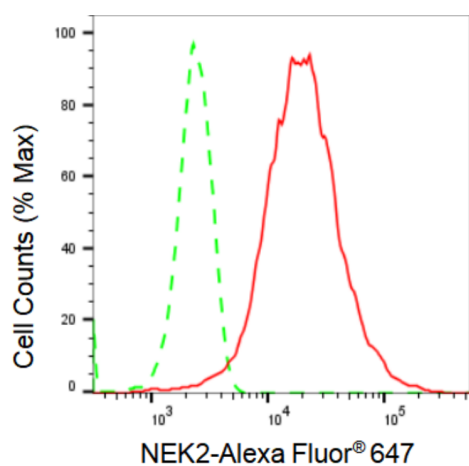
Gene Name	NEK2
About Gene Symbol	NEK2 (NIMA Related Kinase 2) is a serine/threonine protein kinase involved in cell cycle regulation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



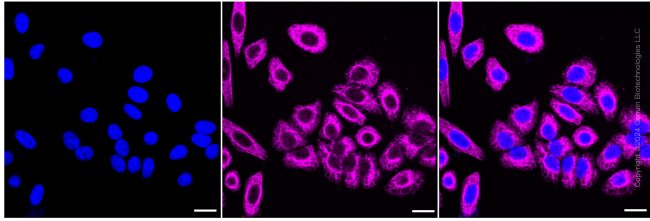
Western blotting analysis using anti-NEK2 antibody (Cat#ABG1050). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NEK2 antibody (Cat#ABG1050, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-NEK2 antibody (Cat#ABG1050). NEK2 expression in wild type (WT) and NEK2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-NEK2 antibody (Cat#ABG1050, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of NEK2 expression in HepG2 cells using NEK2 antibody (Cat#ABG1050, 1:2,000). Green, isotype control; red, NEK2.



Immunocytochemical staining of HepG2 cells with NEK2 antibody (Cat#ABG1050, 1:1,000). Nuclei were stained blue with DAPI; NEK2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 μ m.