

Product Name: KD-Validated NEK7 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01500**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 34.6kDa

Antigen Information

Gene Name	NEK7 NIMA Related Kinase 7; NIMA (Never In Mitosis Gene A)-Related Kinase 7; Serine/Threonine-
Alternative Names	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
Gene ID	140609.0
SwissProt ID	Q8TDX7
Immunogen	A synthesized peptide derived from human NEK7

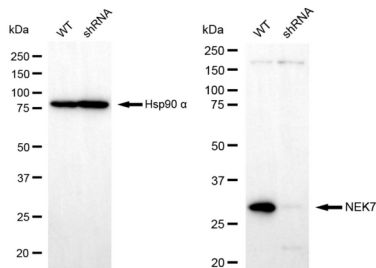
Background

NIMA-related kinases share high amino acid sequence identity with the gene product of the *Aspergillus nidulans* 'never in mitosis A' gene, which controls initiation of mitosis.[supplied by OMIM, Jul 2002]

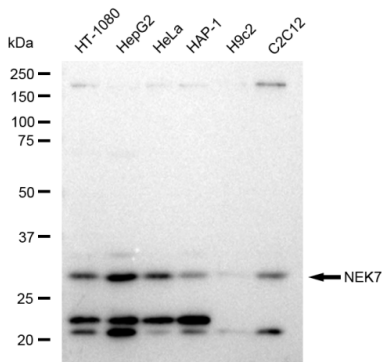
Research Area

Cell Biology

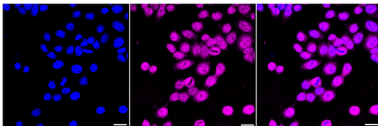
Image Data



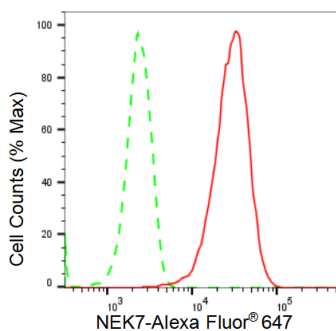
Western blotting analysis using NEK7 antibody (KVA01500). NEK7 expression in wild type (WT) and NEK7 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NEK7 antibody (KVA01500, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NEK7 antibody (KVA01500). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NEK7 antibody (KVA01500, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with NEK7 antibody (KVA01500, 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 µm.



Flow cytometric analysis of NEK7 expression in HepG2 cells using NEK7 antibody (KVA01500, 1:2,000). Green, isotype control; red, NEK7.