

Product Name: KD-Validated NIMA Related Kinase 9 Mouse Monoclonal Antibody
Catalog #: KVA00665

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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: 107.2kDa

Antigen Information

Gene Name	NEK9
Alternative Names	NEK9; NIMA Related Kinase 9; NERCC; NERCC1; Nek8; NIMA (Never In Mitosis Gene A)-Related Kinase 9; Serine/Threonine-Protein Kinase Nek9; NimA-Related Protein Kinase 9; DKFZp434D0935; Nercc1 Kinase; EC 2.7.11.1; MGC16714 2 5Never In Mitosis A-Related Kinase 9; NimA-Related Kinase 8; KIAA1995; LCCS10; APUG; NEK8; NC
Gene ID	91754.0
SwissProt ID	Q8TD19
Immunogen	Recombinant protein of human NEK9

Background

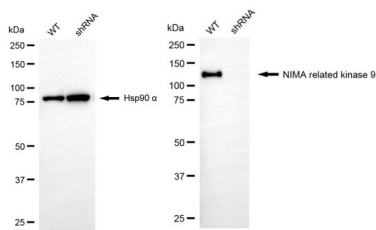
This gene encodes a member of the NimA (never in mitosis A) family of serine/threonine protein kinases. The encoded protein

is activated in mitosis and, in turn, activates other family members during mitosis. This protein also mediates cellular processes that are essential for interphase progression. [provided by RefSeq, Jul 2016]

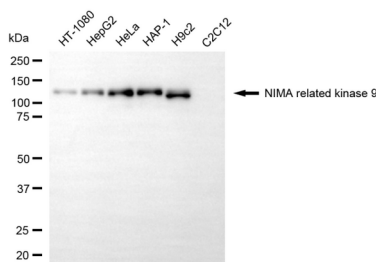
Research Area

Cell Biology, Signal Transduction

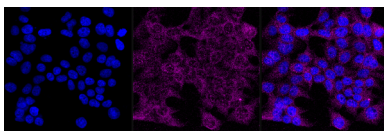
Image Data



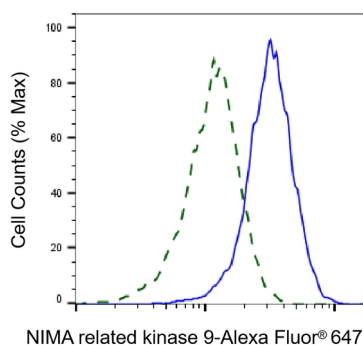
Western blotting analysis using NIMA related kinase 9 antibody (KVA00665). NIMA related kinase 9 expression in wild type (WT) and NIMA related kinase 9 (NEK9) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NIMA related kinase 9 antibody (KVA00665, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



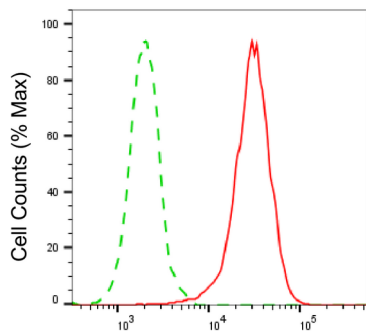
Western blotting analysis using NIMA related kinase 9 antibody (KVA00665). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NIMA related kinase 9 antibody (KVA00665, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with NIMA related kinase 9 antibody (KVA00665, 1:1,000). Nuclei were stained blue with DAPI; NIMA related kinase 9 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 µm.



Validation of NIMA related kinase 9 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with NIMA related kinase 9 antibody (KVA00665, 1:2,000) and analyzed using BD flow cytometer.



NIMA related kinase 9-Alexa Fluor® 647

Flow cytometric analysis of NIMA related kinase 9 expression in HeLa cells using NIMA related kinase 9 antibody (KVAAb00665, 1:2,000). Green, isotype control; red, NIMA related kinase 9.