
Product Name: KD-Validated Nuclear Mitotic Apparatus Protein 1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00930**

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: 238.3kDa

Antigen Information

Gene Name	NUMA1 NUMA1; Nuclear Mitotic Apparatus Protein 1; NUMA; Nuclear Matrix Protein-22; SP-H
Alternative Names	Antigen; NMP-22; Centrophilin Stabilizes Mitotic Spindle In Mitotic Cells; Nuclear Mitotic Apparatus Protein; Structural Nuclear Protein; NuMA Protein; NMP22
Gene ID	4926.0
SwissProt ID	Q14980
Immunogen	A synthesized peptide derived from human NUMA1

Background

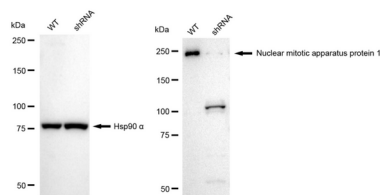
This gene encodes a large protein that forms a structural component of the nuclear matrix. The encoded protein interacts with

microtubules and plays a role in the formation and organization of the mitotic spindle during cell division. Chromosomal translocation of this gene with the RARA (retinoic acid receptor, alpha) gene on chromosome 17 have been detected in patients with acute promyelocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]

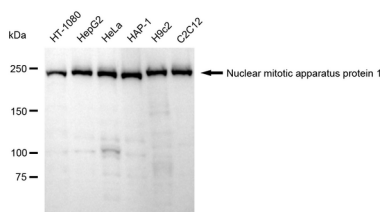
Research Area

Cell Biology

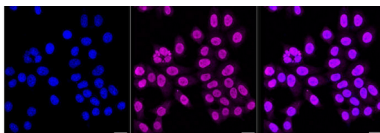
Image Data



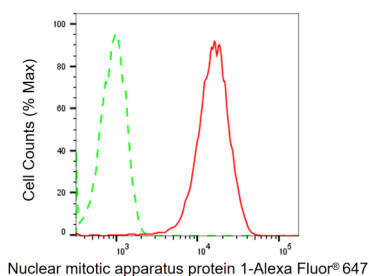
Western blotting analysis using Nuclear Mitotic Apparatus Protein 1 antibody (KVA00930). Nuclear Mitotic Apparatus Protein 1 expression in wild type (WT) and Nuclear Mitotic Apparatus Protein 1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Nuclear Mitotic Apparatus Protein 1 antibody (KVA00930, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Nuclear mitotic apparatus protein 1 antibody (KVA00930). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Nuclear mitotic apparatus protein 1 antibody (KVA00930, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Nuclear mitotic apparatus protein 1 antibody (KVA00930, 1:1,000). Nuclei were stained blue with DAPI; Nuclear mitotic apparatus protein 1 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 µm.



Flow cytometric analysis of Nuclear mitotic apparatus protein 1 expression in HepG2 cells using Nuclear mitotic apparatus protein 1 antibody (KVA00930, 1:2,000). Green, isotype control; red, Nuclear mitotic apparatus protein 1.