

Product Name: KD-Validated N-Myc And STAT Interactor Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00010

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 35.1kDa

Antigen Information

Gene Name	NMI
Alternative Names	N-Myc And STAT Interactor; N-Myc-Interactor; N-Myc (And STAT) Interactor; Nmi
Gene ID	9111.0
SwissProt ID	Q13287
Immunogen	A synthesized peptide derived from human NMI

Background

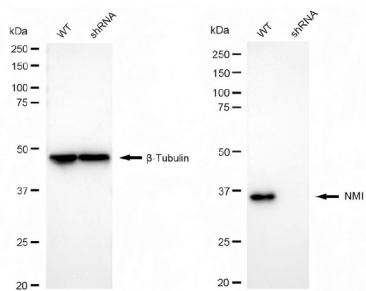
NMYC interactor (NMI) encodes a protein that interacts with NMYC and CMYC (two members of the oncogene Myc family), and other transcription factors containing a Zip, HLH, or HLH-Zip motif. The NMI protein also interacts with all STATs except STAT2 and augments STAT-mediated transcription in response to cytokines IL2 and IFN-gamma. The NMI mRNA has low expression

levels in all human fetal and adult tissues tested except brain and has high expression in cancer cell line-myeloid leukemias.
[provided by RefSeq, Jul 2008]

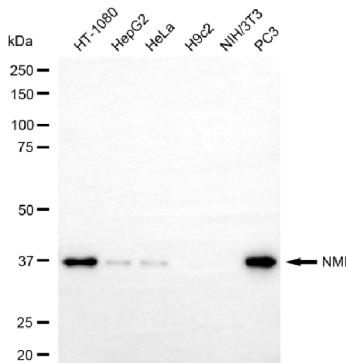
Research Area

Tags & Cell Markers, Epigenetics and Nuclear Signaling

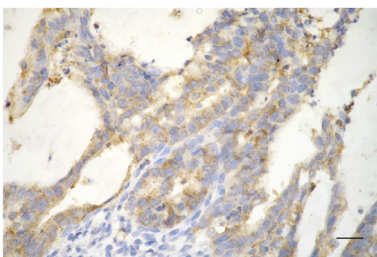
Image Data



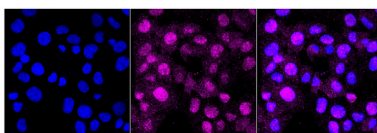
Western blotting analysis using NMI antibody (KVA00010). NMI expression in wild type (WT) and NMI shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with NMI antibody (KVA00010, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



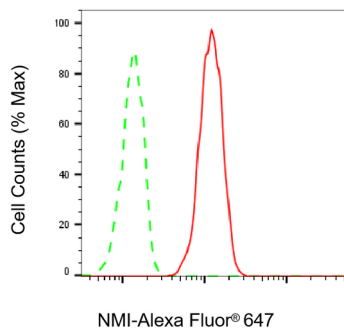
Western blotting analysis using NMI antibody (KVA00010). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NMI antibody (KVA00010, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using NMI antibody (KVA00010, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HT-1080 cells with NMI antibody (KVA00010, 1:1,000). Nuclei were stained blue with DAPI; NMI 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 NMI expression in HT-1080 cells using NMI antibody (KVA00010, 1:2,000). Green, isotype control; red, NMI.