

Product datasheet for **CF809982**

N myc interactor (NMI) Mouse Monoclonal Antibody [Clone ID: OTI2C1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C1
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-223 of human NMI(NP_004679) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34.9 kDa
Gene Name:	N-myc and STAT interactor
Database Link:	NP_004679 Entrez Gene 9111 Human Q13287



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Background:

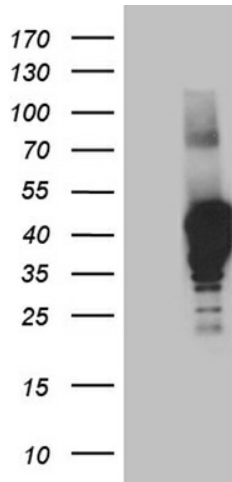
NMYC interactor (NMI) encodes a protein that interacts with NMYC and CMYC (two members of the oncogene Myc family), and other transcription factors containing a Zip, HLH, or HLH-Zip motif. The NMI protein also interacts with all STATs except STAT2 and augments STAT-mediated transcription in response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

Synonyms:

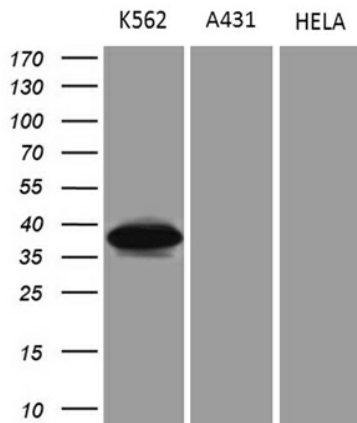
N-myc (and STAT) interactor; N-myc-interactor; N-myc and STAT interactor; N-myc interactor

Protein Families:

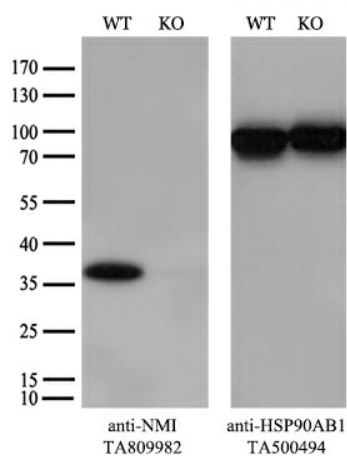
Druggable Genome, Transcription Factors

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NMI (Cat# [RC201543], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NMI (Cat# [TA809982])(1:2000). Positive lysates [LY417813] (100ug) and [LC417813] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-NMI monoclonal antibody (1:500).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type A549 cells and NMI-Knockout A549 cells (KO, Cat# [LC800044]) were separated by SDS-PAGE and immunoblotted with anti-NMI monoclonal antibody [TA809982] (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.