

## Product datasheet for **TA809982**

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

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2C1
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:500~2000
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 1-223 of human NMI(NP_004679) produced in E.coli.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	34.9 kDa
<b>Gene Name:</b>	N-myc and STAT interactor
<b>Database Link:</b>	<a href="#">NP_004679</a> <a href="#">Entrez Gene 9111 Human</a> <a href="#">Q13287</a>
<b>Background:</b>	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]

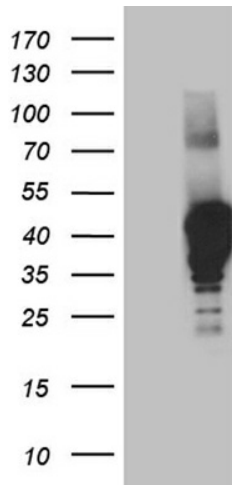


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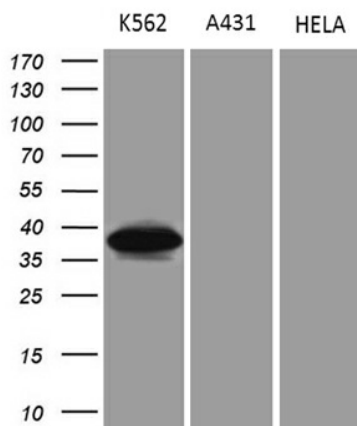
**Synonyms:** N-myc (and STAT) interactor; N-myc-interactor; N-myc and STAT interactor; N-myc interactor

**Protein Families:** Druggable Genome, Transcription Factors

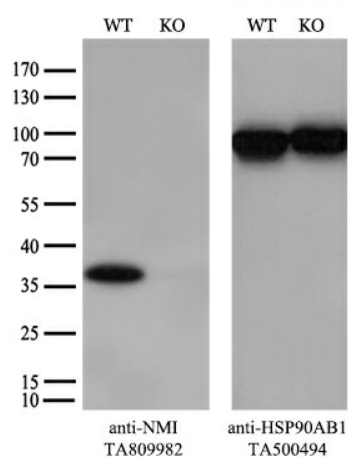
**Product images:**



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.