

**NMI Antibody (monoclonal) (M01)**  
**Mouse monoclonal antibody raised against a partial recombinant NMI.**  
**Catalog # AT3070a**

**Specification**

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**NMI Antibody (monoclonal) (M01) - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">Q13287</a>
Other Accession	<a href="#">BC001268</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	35057

**NMI Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 9111

**Other Names**

N-myc-interactor, Nmi, N-myc and STAT interactor, NMI

**Target/Specificity**

NMI (AAH01268, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

NMI Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

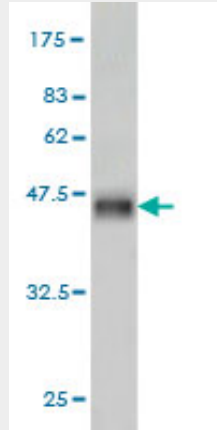
**NMI Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

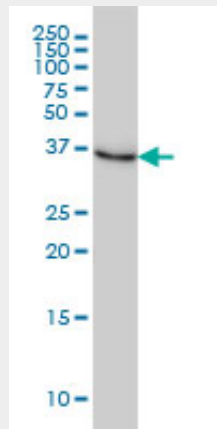
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

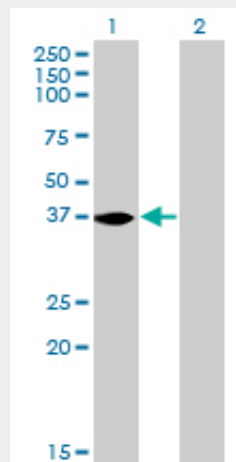
### NMI Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

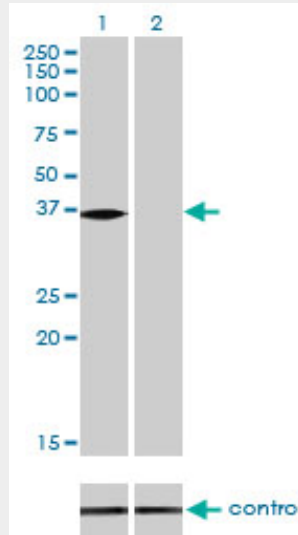


NMI monoclonal antibody (M01), clone 9D8 Western Blot analysis of NMI expression in HeLa ( Cat # AT3070a )

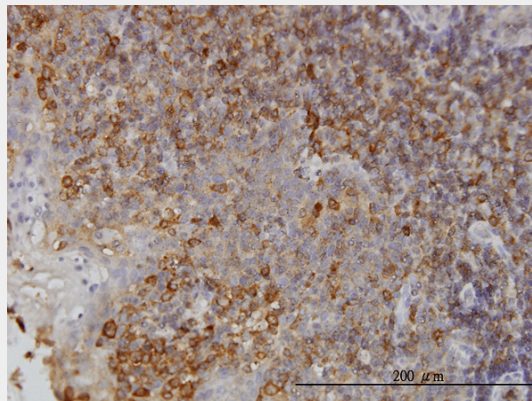


Western Blot analysis of NMI expression in transfected 293T cell line by NMI monoclonal antibody (M01), clone 9D8.

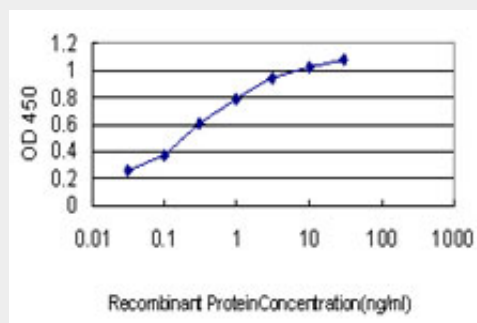
Lane 1: NMI transfected lysate(35.1 KDa).  
 Lane 2: Non-transfected lysate.



Western blot analysis of NMI over-expressed 293 cell line, cotransfected with NMI Validated Chimera RNAi (Cat # AT3070a)



Immunoperoxidase of monoclonal antibody to NMI on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged NMI is approximately 0.03ng/ml as a capture antibody.

### NMI Antibody (monoclonal) (M01) - 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.

#### **NMI Antibody (monoclonal) (M01) - References**

New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. *Genes Immun*, 2010 Apr. PMID 20237496. Nmi (N-Myc interactor) inhibits Wnt/beta-catenin signaling and retards tumor growth. Fillmore RA, et al. *Int J Cancer*, 2009 Aug 1. PMID 19358268. Tagging single-nucleotide polymorphisms in candidate oncogenes and susceptibility to ovarian cancer. Quaye L, et al. *Br J Cancer*, 2009 Mar 24. PMID 19240718. Evaluating new candidate SNPs as low penetrance risk factors in sporadic breast cancer: a two-stage Spanish case-control study. Vega A, et al. *Gynecol Oncol*, 2009 Jan. PMID 18950845. The effects of common genetic variants in oncogenes on ovarian cancer survival. Quaye L, et al. *Clin Cancer Res*, 2008 Sep 15. PMID 18794094.