10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NMI Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NMI.
Catalog # AT3070a

Product Information

Application	WB, IHC, E
Primary Accession	Q13287
Other Accession	BC001268
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	9D8
Calculated MW	35057

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 IHC~~1:100~500 E~~N/A
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.

Background

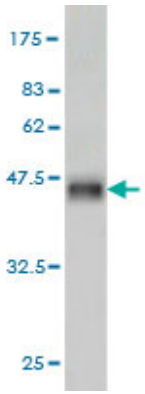
NMYC interactor (NMI) encodes a protein that interacts with NMYC and CMYC (two members of the oncogene Myc family), and other transcription factors containing a Zip, HLH, or HLH-Zip motif. The NMI protein also interacts with all STATs except STAT2 and augments STAT-mediated transcription in response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

References

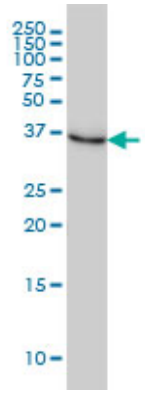
New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Nmi (N-Myc interactor) inhibits Wnt/beta-catenin signaling and retards

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.

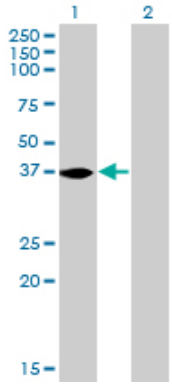
Images



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

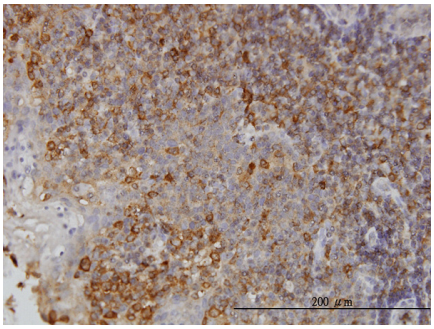


NMI monoclonal antibody (M01), clone 9D8 Western Blot analysis of NMI expression in HeLa ((Cat # AT3070a)

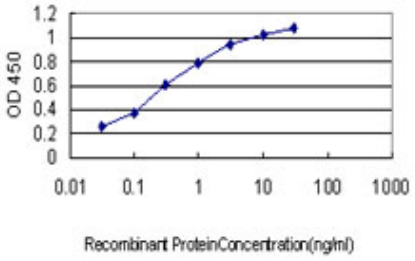


Western Blot analysis of NMI expression in transfected 293T cell line by NMI monoclonal antibody (M01), clone 9D8.

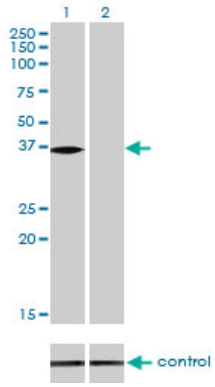
Lane 1: NMI transfected lysate(35.1 KDa).
Lane 2: Non-transfected lysate.



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.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.