

For Research Use Only

# NMI Recombinant antibody

Catalog Number: 83986-2-RR



## Basic Information

<b>Catalog Number:</b> 83986-2-RR	<b>GenBank Accession Number:</b> BC001268	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9111	<b>CloneNo.:</b> 241135A9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13287	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> N-myc (and STAT) interactor	
<b>Immunogen Catalog Number:</b> AG34759	<b>Calculated MW:</b> 35 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, K-562 cells, PC-3 cells, HepG2 cells <b>IF/ICC :</b> HepG2 cells,

## Background Information

N-Myc and STAT Interactor protein (NMI) is an interferon inducible protein that interacts with NMYC and CMYC (members of the oncogene Myc family), and other transcription factors containing a Zip, HLH, or HLH-Zip motif. It is widely involved in the process of tumor growth, progression, and metastasis.

## Storage

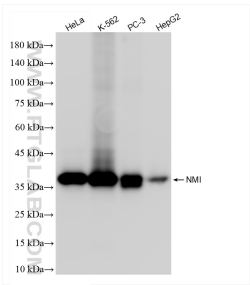
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

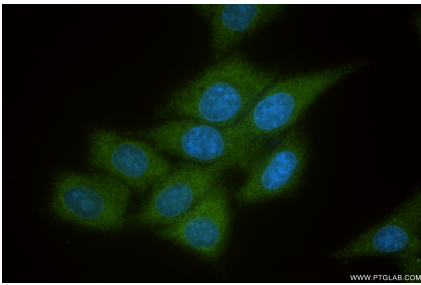
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

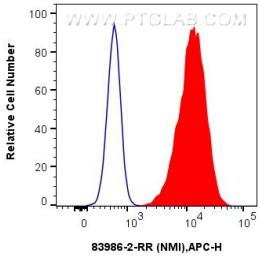
Selected Validation Data



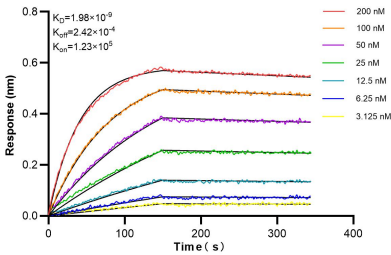
Various lysates were subjected to SDS PAGE followed by western blot with 83986-2-RR (NMI antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NMI antibody (83986-2-RR, Clone: 241135A9 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug NMI Recombinant antibody (83986-2-RR, Clone:241135A9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83986-2-RR against Human NMI were performed. The affinity constant is 1.98 nM.