

For Research Use Only

# NMI Recombinant antibody, PBS Only (Capture)

Catalog Number: 83986-2-PBS

Featured Product



## Basic Information

**Catalog Number:**

83986-2-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG34759

**GenBank Accession Number:**

BC001268

**GeneID (NCBI):**

9111

**UNIPROT ID:**

Q13287

**Full Name:**

N-myc (and STAT) interactor

**Calculated MW:**

35 kDa

**Observed MW:**

35 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241135A9

## Applications

**Tested Applications:**

WB, IF/ICC, FC (Intra), Cytometric bead array, Indirect ELISA

**Species Specificity:**

human

## Product Information

83986-2-PBS targets NMI as part of a matched antibody pair:

MP00891-1: 83986-2-PBS capture and 83986-4-PBS detection (validated in Cytometric bead array)

MP00891-3: 83986-2-PBS capture and 83986-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## 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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

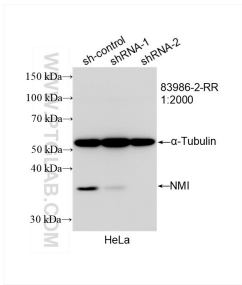
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

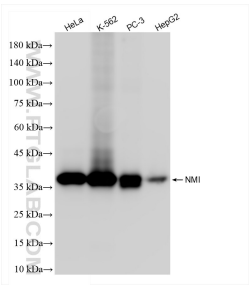
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

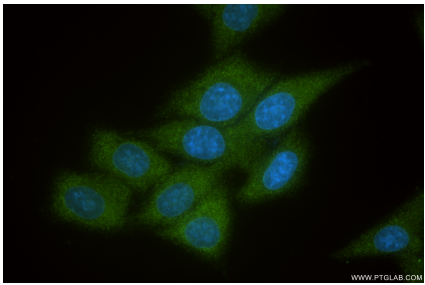
Selected Validation Data



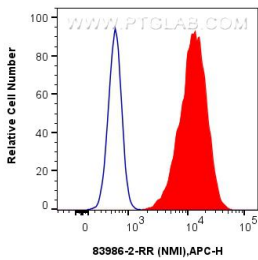
WB result of NMI antibody (83986-2-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NMI transfected HeLa cells. This data was developed using the same antibody clone with 83986-2-PBS in a different storage buffer formulation.



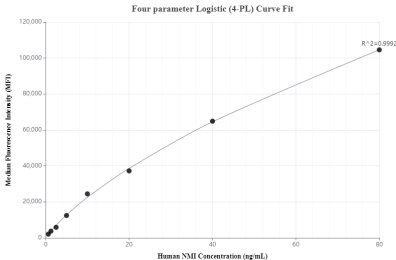
Various lysates were subjected to SDS PAGE followed by western blot with 83986-2-RR (NMI antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83986-2-PBS in a different storage buffer formulation.



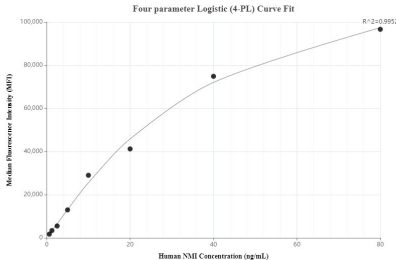
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NMI antibody (83986-2-RR, Clone: 241135A9 ) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83986-2-PBS in a different storage buffer formulation.



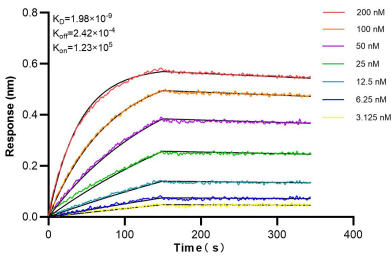
1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug NMI Recombinant antibody (83986-2-RR, Clone:241135A9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83986-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00891-1, NMI Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83986-2-PBS. Detection antibody: 83986-4-PBS. Standard: Ag34759. Range: 0.625-80 ng/mL.



Cytometric bead array standard curve of MP00891-3, NMI Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83986-2-PBS. Detection antibody: 83986-3-PBS. Standard: Ag34759. Range: 0.625-80 ng/mL.



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