

For Research Use Only

NMI Recombinant antibody, PBS Only (Capture)

Catalog Number: 83986-2-PBS



Basic Information

Catalog Number: 83986-2-PBS	GenBank Accession Number: BC001268	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9111	CloneNo.: 241135A9
Source: Rabbit	UNIPROT ID: Q13287	
Isotype: IgG	Full Name: N-myc (and STAT) interactor	
Immunogen Catalog Number: AG34759	Calculated MW: 35 kDa	
	Observed MW: 35 kDa	

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

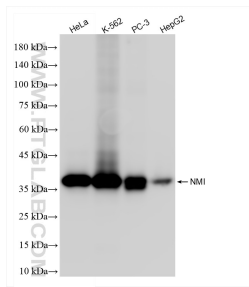
For technical support and original validation data for this product please contact:

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

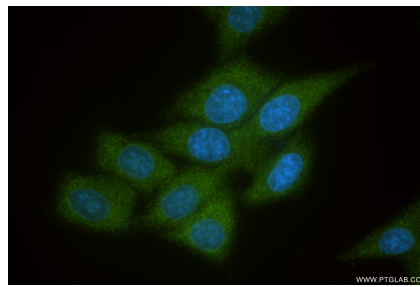
E: proteintech@ptglab.com
W: ptglab.com

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

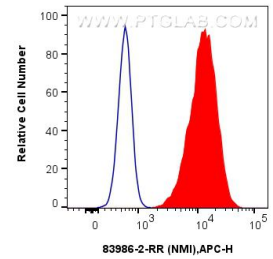
Selected Validation Data



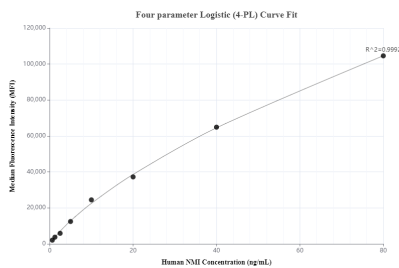
Various lysates were subjected to SDS PAGE followed by western blot with 83986-2-RR (NMI antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83986-2-PBS in a different storage buffer formulation.



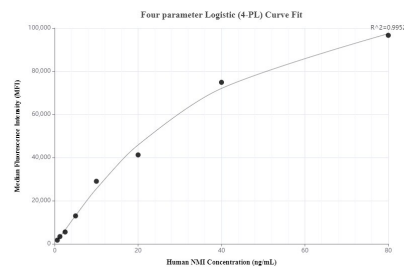
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NMI antibody (83986-2-RR, Clone: 241135A9) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83986-2-PBS in a different storage buffer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



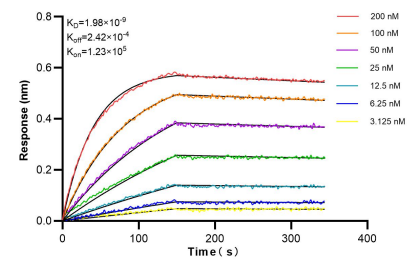
1×10^6 HepG2 cells were intracellularly stained with 0.25 ug NMI Recombinant antibody (83986-2-RR, Clone:241135A9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). 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



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