

For Research Use Only

# MYCN Recombinant antibody, PBS Only (Capture)

Catalog Number: 84886-3-PBS



## Basic Information

<b>Catalog Number:</b> 84886-3-PBS	<b>GenBank Accession Number:</b> BC002712	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4613	<b>CloneNo.:</b> 242406D8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04198	
<b>Isotype:</b> IgG	<b>Full Name:</b> v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)	
<b>Immunogen Catalog Number:</b> AG27224	<b>Calculated MW:</b> 50 kDa	
	<b>Observed MW:</b> ~65 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84886-3-PBS targets MYCN as part of a matched antibody pair.

MP01659-2: 84886-3-PBS capture and 84886-2-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

MYCN, also named as BHLHE37 and NMYC, is a transcription factor. It is primarily expressed in normal developing embryos and is thought to be critical in brain and other neural development. It is often amplified in human neuroblastomas. IR34A can suppress MYCN expression, it suggest MYCN has a role in cell growth. The expression of the MYCN is upregulated in a variety of human tumors, most frequently neuroblastoma, where the level of expression appears to increase as the tumor progresses. The calculated molecular weight of MYCN is 50 kDa, but Phosphorylated MYCN is about 65-70 kDa. MYCN exists two isoforms and MW of isoform is respectively 65 kDa and 45 kDa. (PMID: 19615087)

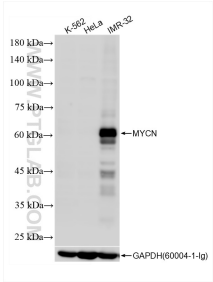
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

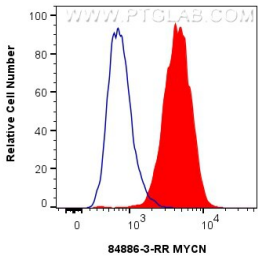
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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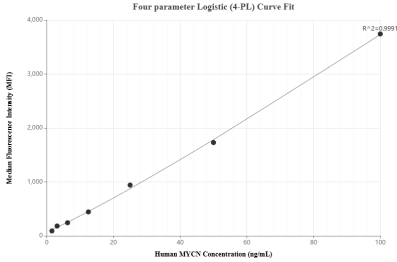
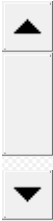
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84886-3-RR (MYCN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84886-3-PBS in a different storage buffer formulation.



1x10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.25 ug MYCN Recombinant antibody (84886-3-RR, Clone:242406D8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 84886-3-PBS in a different storage



Cytometric bead array standard curve of MP01659-2, MYCN Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84886-3-PBS. Detection antibody: 84886-2-PBS. Standard: Ag27224. Range: 1.56-100 ng/mL