

For Research Use Only

# MYCN Polyclonal antibody

Catalog Number: 10159-2-AP

Featured Product

17 Publications



## Basic Information

<b>Catalog Number:</b> 10159-2-AP	<b>GenBank Accession Number:</b> BC002712	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop and 347 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4613	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 50 kDa	
<b>Immunogen Catalog Number:</b> AG0193	<b>Observed MW:</b> 65-70 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : human placenta tissue, SKOV-3 cells, C6 cells, mouse brain tissue, SH-SY5Y cells, rat brain tissue

IHC : human thyroid cancer tissue,

## 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 MCYN 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 MV of isoform is respectively 65 kDa and 45 kDa. (PMID: 19615087)

## Notable Publications

Author	Pubmed ID	Journal	Application
Stanley B DeVore	29987187	Mol Cell Biol	
Adriana Mañas	36306349	Sci Adv	IF
Zhiwen Fan	34746136	Front Cell Dev Biol	WB, IHC

## 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

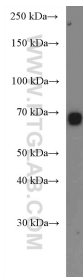
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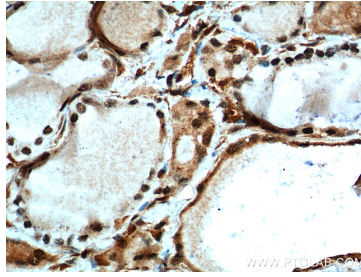
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## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 10159-2-AP (MYCN antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 10159-2-AP (MYCN Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).