

MYCN

Polyclonal ANTIBODY

Catalog Number: 10159-2-AP

Featured Product

7 Publications

Basic Information

Catalog Number:
10159-2-AP

Size:
52 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG0193

GenBank Accession Number:
BC002712

GeneID (NCBI):
4613

Full Name:
v-myc myelocytomatosis viral related
oncogene, neuroblastoma derived (avian)

Calculated MW:
50 kDa

Observed MW:
65-70 kDa

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

**Note: 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 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. (PMD: 19615087)

Notable Publications

Author	Pubmed ID	Journal	Application
Larry L Wang	23901000	Cancer	IHC
Tene Aneka Cage	26029667	Front Oncol	IHC
Chao Li	30850970	Mol Imaging Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

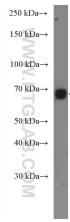
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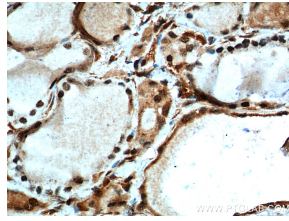
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Selected Validation Data



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 retrieved with Tris-EDTA buffer (pH9).