

For Research Use Only

MYCN Polyclonal antibody

Catalog Number: 10159-2-AP

Featured Product

17 Publications



Basic Information

Catalog Number:

10159-2-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0193

GenBank Accession Number:

BC002712

GeneID (NCBI):

4613

UNIPROT ID:

P04198

Full Name:

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

Calculated MW:

50 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

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

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

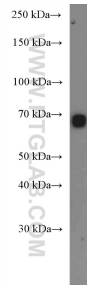
T: 4006900926

E: Proteintech-CN@ptglab.com

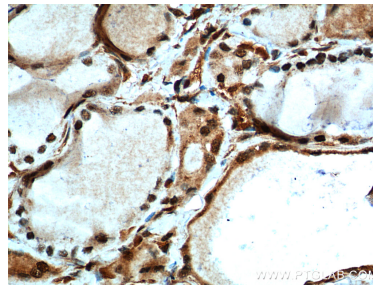
W: ptgcn.com

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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).