

**MYCN Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7395b**

**Specification**

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**MYCN Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P04198</a>
Other Accession	<a href="#">Q63379</a> , <a href="#">P03966</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>322-351</b>

**MYCN Antibody (C-term) - Additional Information**

**Gene ID** 4613

**Other Names**

N-myc proto-oncogene protein, Class E basic helix-loop-helix protein 37, bHLHe37, MYCN, BHLHE37, NMYC

**Target/Specificity**

This MYCN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 322-351 amino acids from the C-terminal region of human MYCN.

**Dilution**

WB~~1:1000  
IHC-P~~1:100

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MYCN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MYCN Antibody (C-term) - Protein Information**

**Name** MYCN

**Synonyms** BHLHE37, NMYC

**Function** Positively regulates the transcription of MYCNOS in neuroblastoma cells.

**Cellular Location**  
Nucleus.

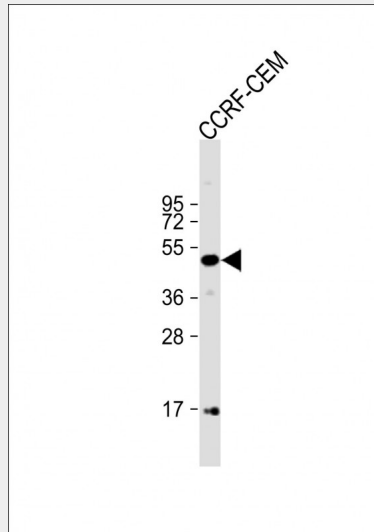
**Tissue Location**  
Expressed in the neuronal cells of the cerebrum, neuroblastomas and thyroid tumors (at protein level)

### MYCN Antibody (C-term) - Protocols

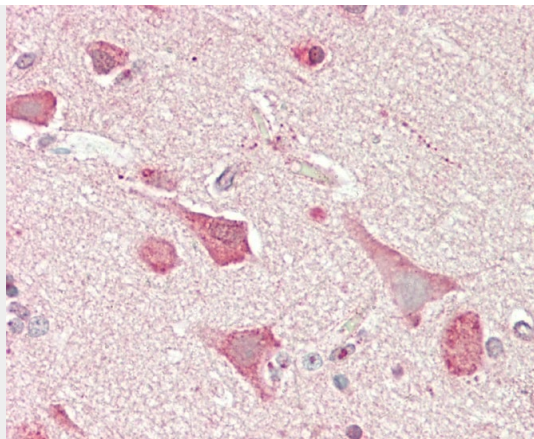
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MYCN Antibody (C-term) - Images



Anti-MYCN Antibody (C-term) at 1:1000 dilution + CCRF-CEM whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Formalin-fixed and paraffin-embedded H.brain tissue reacted with MYCN Antibody (C-term) (Cat#AP7395b).

#### **MYCN Antibody (C-term) - Background**

MYCN is a member of the MYC family and a protein with a basic helix-loop-helix (bHLH) domain. This protein is located in the nucleus and must dimerize with another bHLH protein in order to bind DNA. Amplification of its gene is associated with a variety of tumors, most notably neuroblastomas.

#### **MYCN Antibody (C-term) - References**

Combaret,V., *Pediatr Blood Cancer* 53 (3), 329-331 (2009)  
Alvarez-Rodriguez,R., *J. Cell. Sci.* 122 (PT 5), 595-599 (2009)  
Jacobs,J.F., *BMC Cancer* 9, 239 (2009)

#### **MYCN Antibody (C-term) - Citations**

- [p53 Mutation Directs AURKA Overexpression via miR-25 and FBXW7 in Prostatic Small Cell Neuroendocrine Carcinoma.](#)