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MYCN Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7395b

Product Information

Application	WB, IHC-P, E
Primary Accession	P04198
Other Accession	Q63379, P03966
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18771
Calculated MW	49561
Antigen Region	322-351

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 E~~Use at an assay dependent concentration.
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.

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)

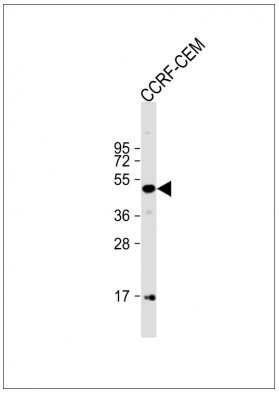
Background

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.

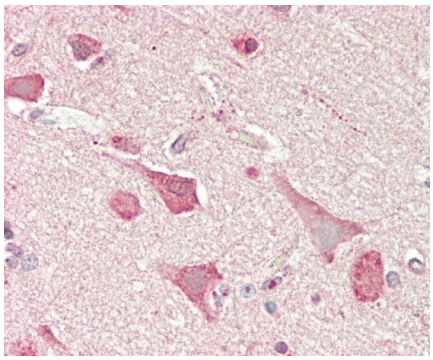
References

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)

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% NFDM/TBST.



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

Citations

- p53 Mutation Directs AURKA Overexpression via miR-25 and FBXW7 in Prostatic Small Cell Neuroendocrine Carcinoma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.