

n-Myc Rabbit pAb

Catalog # AP99776

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P04198
Other Accession	P04198
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49561
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human n-Myc
Epitope Specificity	1-100/464
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 basic helix-loop-helix (bHLH) domain.
SUBUNIT	Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as an heterodimer with MAX. Interacts with KDM5A, KDM5B and HUWE1.
DISEASE	Note=Amplification of the N-MYC gene is associated with a variety of human tumors, most frequently neuroblastoma, where the level of amplification appears to increase as the tumor progresses. Defects in MYCN are the cause of Feingold syndrome type 1 (FGLDS1) [MIM:164280]. A syndrome characterized by variable combinations of esophageal and duodenal atresias, microcephaly, learning disability, mental retardation, and limb malformations. Cardiac and renal malformations, vertebral anomalies, and deafness have also been described.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is a member of the MYC family and encodes 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 this gene is associated with a variety of tumors, most notably neuroblastomas. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	4613
Other Names	FGLDS1; MODED; MPAPA; MYCNsORF; MYCNsPEP; N-myc; NMYC; ODED; bHLHe37; Nmyc-1; Nmyc1; c-nmyc; Nmuc1; MYCN_HUMAN; MYCN; Class E basic helix-loop-helix protein 37 (bHLHe37); MYCN_MOUSE; MYCN_RAT; MYCN proto-oncogene, bHLH transcription factor; v-myc avian myelocytomatosis viral oncogene neuroblastoma derived homolog
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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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)

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