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# n-Myc Rabbit pAb

Catalog # AP99776

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | P04198 |
| **Other Accession** | P04198 |
| **Reactivity** | Rat, Human, Mouse |
| **Predicted** | Chicken, Horse, Sheep |
| **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

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| **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 |

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| **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. |

## Protein Information

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| **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'.