

Rabbit N Myc Polyclonal Antibody | anti-MYCN antibody

N Myc Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321872	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

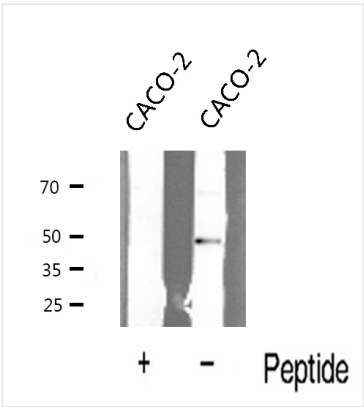
PRODUCT SYNONYMS

N Myc; Polyclonal Antibody; N Myc Antibody; bHLHe37; Class E basic helix-loop-helix protein 37; MODED; mycn; MYCN_HUMAN; N myc; N myc proto oncogene protein; N-myc proto-oncogene protein; Neuroblastoma derived v myc avian myelocytomatosis viral related oncogene; Neuroblastoma MYC oncogene; NMYC; NMYC proto oncogene protein; ODED; Oncogene NMYC; pp65/67; V myc avian myelocytomatosis viral oncogene neuroblastoma derived homolog; v myc avian myelocytomatosis viral related oncogene neuroblastoma derived; v myc myelocytomatosis viral related oncogene neuroblastoma derived; anti-MYCN antibody

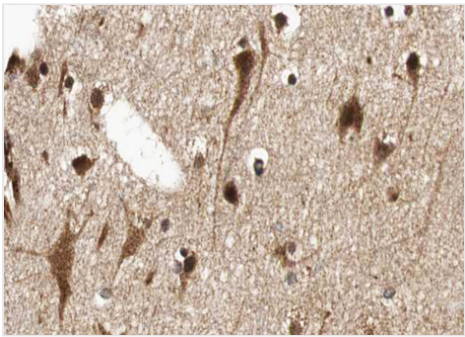
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	N Myc antibody detects endogenous levels of total N Myc
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	464
Applicable Applications for anti-MYCN antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human N Myc
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in the neuronal cells of the cerebrum, neuroblastomas and thyroid tumors (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Sheep, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of N Myc expression in CACO-2 cells



IHC (Immunohistochemistry)
AAA321872 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MYCN antibody	Description: 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. Function: Positively regulates the transcription of MYCNOS in neuroblastoma cells. Subunit Structure: Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as a heterodimer with MAX. Interacts with KDM5A, KDM5B and HUWE1. Interacts with MYCNOS. Interacts with AURKA; interaction is phospho-independent and triggers AURKA activation; AURKA competes with FBXW7 for binding to unphosphorylated MYCN but not for binding to unphosphorylated MYCN (PubMed:27837025). Interacts with FBXW7; FBXW7 competes with AURKA for binding to unphosphorylated MYCN but not for binding to phosphorylated MYCN (PubMed:27837025). Post-translational Modifications: Phosphorylated by GSK3-beta which may promote its degradation (PubMed:24391509). Phosphorylated by AURKA (PubMed:27837025).
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	648216288
NCBI GeneID	4613
NCBI Accession #	NP_001280157.1
NCBI GenBank Nucleotide #	NM_001293228.1
UniProt Accession #	P04198; Q53XS5; Q6LDT9
Molecular Weight	Observed: 49 kDa Predicted: 50 kDa
NCBI Official Full Name	N-myc proto-oncogene protein isoform 1
NCBI Official Synonym Full Names	MYCN proto-oncogene, bHLH transcription factor
NCBI Official Symbol	MYCN
NCBI Official Synonym Symbols	NMYC; ODED; MODED; N-myc; bHLHe37
NCBI Protein Information	N-myc proto-oncogene protein
UniProt Protein Name	N-myc proto-oncogene protein
UniProt Gene Name	MYCN
UniProt Synonym Gene Names	BHLHE37; NMYC; bHLHe37

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/n-myc-antibody-immunohistochemistry-western-blot-elisa/321872>