

Rabbit n-Myc Polyclonal Antibody | anti-n-Myc antibody

Phospho-n-Myc (Ser261/Ser263) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329351	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry

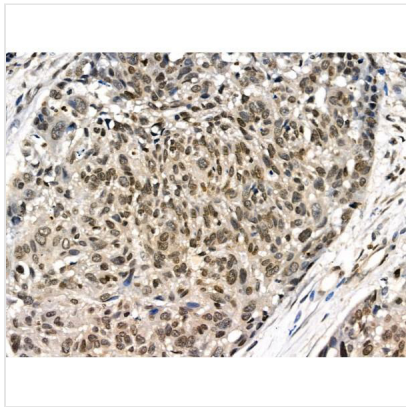
PRODUCT SYNONYMS

n-Myc; Polyclonal Antibody; Phospho-n-Myc (Ser261/Ser263) 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-n-Myc antibody

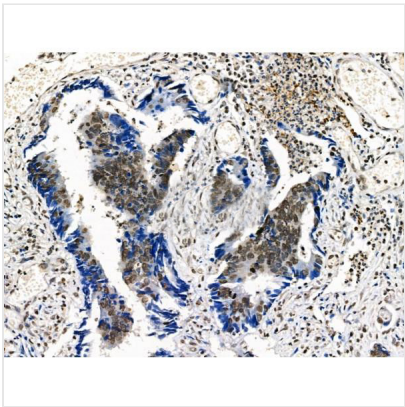
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-n-Myc (Ser261/Ser263) Antibody detects endogenous levels of n-Myc only when phosphorylated at Ser261/263. Tissue Specificity: Expressed in the neuronal cells of the cerebrum, neuroblastomas and thyroid tumors (at protein level).
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-n-Myc antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human n-Myc around the phosphorylation site of Ser261/263.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated by GSK3-beta which may promote its degradation. Phosphorylated by AURKA.
Subunit Structure	Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as a heterodimer with MAX. Interacts withKDM5A,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. Interacts with FBXW7; FBXW7 competes with AURKA for binding to unphosphorylated MYCN but not for binding to phosphorylated MYCN.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
Staining Human esophageal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-n-Myc antibody	Positively regulates the transcription of MYCNOS in neuroblastoma cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19923312
NCBI GeneID	4613
NCBI Accession #	NP_005369.2
NCBI GenBank Nucleotide #	NM_005378.5
UniProt Accession #	P04198; Q53XS5; Q6LDT9
Molecular Weight	49,561 Da
NCBI Official Full Name	N-myc proto-oncogene protein isoform 1
NCBI Official Synonym Full Names	v-myc avian myelocytomatosis viral oncogene neuroblastoma derived homolog
NCBI Official Symbol	MYCN
NCBI Official Synonym Symbols	NMYC; ODED; MODED; N-myc; bHLHe37
NCBI Protein Information	N-myc proto-oncogene protein; pp65/67; oncogene NMYC; neuroblastoma MYC oncogene; class E basic helix-loop-helix protein 37; neuroblastoma-derived v-myc avian myelocytomatosis viral related oncogene
UniProt Protein Name	N-myc proto-oncogene protein
UniProt Gene Name	MYCN
UniProt Synonym Gene Names	BHLHE37; NMYC; bHLHe37
UniProt Entry Name	MYCN_HUMAN

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.