

Anti-N-Myc/MYCN Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

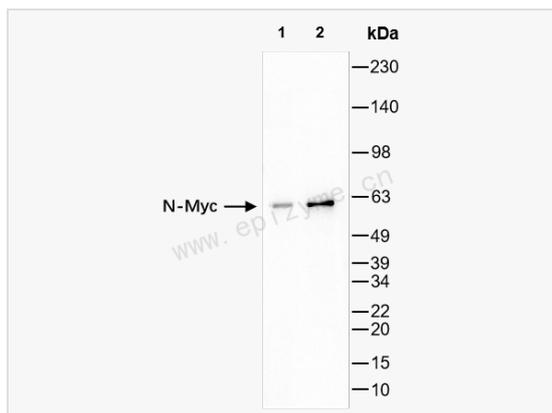
Catalog # R015978

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	19E67J65
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human N-Myc
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-N-Myc/MYCN Rabbit mAb [19E67J65] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	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 related oncogene neuroblastoma derived; v myc myelocytomatosis viral related oncogene neuroblastoma derived.
Calculated MW	Calculated MW: 50 kDa; Observed MW: 62 kDa
Uniprot ID	P04198
Gene ID	4613
Background	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. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]
Cellular Location	Nucleus
Tissue Location	Expressed in the neuronal cells of the cerebrum, neuroblastomas and thyroid tumors (at protein level).



Western Blot - Anti-N-Myc/MYCN Rabbit mAb [19E67J65]

All lanes: R015978 at 1:1,000 dilution

Lane 1: Mouse brain whole tissue lysates

Lane 2: Rat brain whole tissue lysates

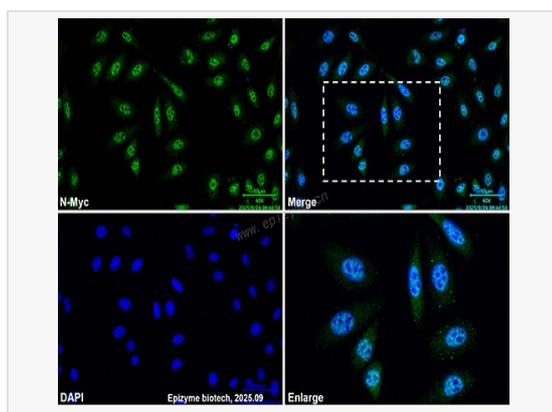
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 50 kDa

Observed band size: 62 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-N-Myc/MYCN Rabbit mAb [19E67J65]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015978 at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).