Anti-Phospho-c-Myc (Thr58) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016052

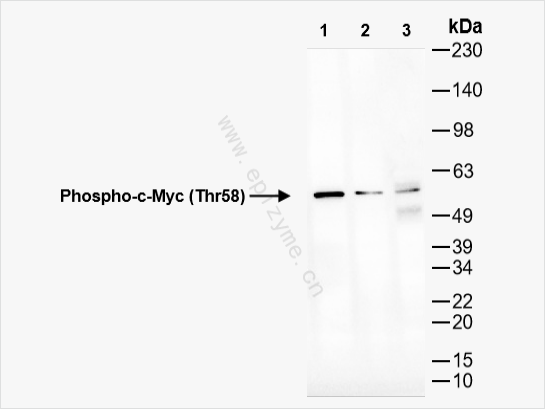
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	82M84E37
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Thr58 of human c-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-Phospho-c-Myc (Thr58) Rabbit mAb [82M84E37] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	MYC | c-Myc (p-T58); p-c-Myc; phospho-c-Myc; MRTL; MYCC; bHLHe39; c-Myc; Myc2; Niard; Nird; RNCMYC; mMyc; MYC_HUMAN; MYC; Class E basic helix-loop-helix protein 39 (bHLHe39); Proto-oncogene c-Myc; Transcription factor p64; MYC_MOUSE; MYC_RAT.
Calculated MW	Calculated MW: 51 kDa; Observed MW: 57 kDa
Uniprot ID	P01106
Gene ID	4609
Background	This gene is a proto-oncogene and encodes a nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. The encoded protein forms a heterodimer with the related transcription factor MAX. This complex binds to the E box DNA consensus sequence and regulates the transcription of specific target genes. Amplification of this gene is frequently observed in numerous human cancers. Translocations involving this gene are associated with Burkitt lymphoma and multiple myeloma in human patients. There is evidence to show that translation initiates both from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site, resulting in the production of two isoforms with distinct N-termini. [provided by RefSeq, Aug 2017]
Cellular Location	Nucleus Nucleoplasm Nucleus Nucleolus Nucleus Cytoplasm Localization to the nucleolus is dependent on HEATR1.

Validation Images



Western Blot - Anti-Phospho-c-Myc (Thr58) Rabbit mAb [82M84E37]
All lanes: R016052 at 1:1,000 dilution
Lane 1: THP-1 (Human monocytic leukemia cell) whole cell lysates
Lane 2: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 3: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 51 kDa
Observed band size: 57 kDa
Developed using the ECL technique (Cat. No. SQ201).