Data Sheet (Cat.No.TMAC-03201)

TargetMol

Anti-Phospho-MYC (Thr58, 62) Antibody (3N813)

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 49 kDa.
Clone:	3N813
Purification:	ProA affinity purified

Applications

Verified Activity:	Western blot analysis of Phospho-c-Myc (T58+S62) on K562 cells lysates using anti-Phospho-c-Myc (T58+S62) antibody at 1/1,000 dilution.
Application:	ICC/IF,IP,WB
Recommended	WB: 1:1000; ICC/IF: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: human c-Myc around the phosphorylation site of Thr58 and Ser62
Antigen Species:	human
Uniprot ID:	P01106
Synonyms:	MYC (p-T58, S62);p-MYC (T58, S62);MYC (p-Thr58, Ser62);p-MYC (Thr58, Ser62)

Research Background

c-Myc-, N-Myc- and L-Myc-encoded proteins function in cell proliferation, differentiation and neoplastic disease. Myc proteins are nuclear proteins with relatively short half lives. Amplification of the c-Myc gene has been found in several types of human tumors including lung, breast and colon carcinomas, while the N-Myc gene has been found amplified in neuroblastomas. The L-Myc gene has been reported to be amplified and expressed at high level in human small cell lung carcinomas. The presence of three sequence motifs in the c-Myc COOH terminus, including the leucine zipper, the helix-loop-helix and a basic region provided initial evidence for a sequence-specific binding function. A basic region helix-loop-helix leucine zipper motif (bHLH-Zip) protein, designated Max, specifically associates with c-Myc, N-Myc and L-Myc proteins. The Myc-Max complex binds to DNA in a sequence-specific manner under conditions where neither Max nor Myc exhibit appreciable binding. Max can also form heterodimers with at least two additional bHLH-Zip proteins, Mad and Mxi1, and Mad-Max dimers have been shown to repress transcription through interaction with mSin3.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481