c-Myc (Phospho-S62) polyclonal antibody

Catalog: BS94081 Host: Rabbit Reactivity: Human, Mouse, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

57 kDa

Swiss-Prot:

P01106(Human) P01108(Mouse) P09416(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

IHC:1:50-1:200

ICC:1:50-1:200

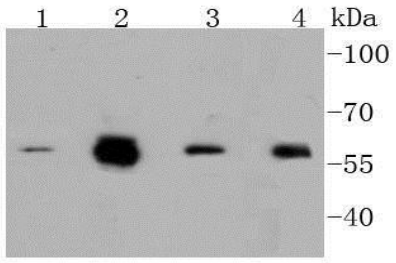
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Specificity:

c-Myc (Phospho-S62) polyclonal antibody detects endogenous levels of c-Myc protein only when phosphorylated at S62.

DATA:



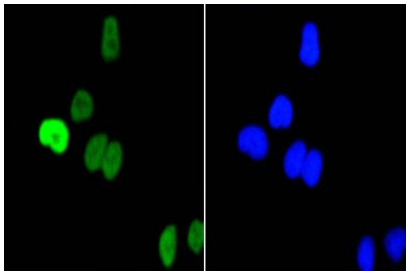
Western blot analysis of Phospho-c-Myc(S62) on different lysates using anti-Phospho-c-Myc(S62) antibody at 1/1,000 dilution. Positive control:

Lane 1: A549

Lane 2: HCT116

Lane 3: Hela

Lane 4: HepG2



ICC staining Phospho-c-Myc(S62) in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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