

Myc-Tag

Cat#: R1208-1

Product Type	Rabbit Polyclonal IgG, primary antibodies		
Product Lot#	See on the tube	Form	Liquid
Species Cross-reactivity	Human	Database links	SwissProt P01106
Tested Applications	WB	Cellular Localization	Cell nuclear
Positive control	Recombinant myc protein		

Description: Myc gene encodes for a transcription factor that is believed to regulate expression of 15% of all genes through binding on Enhancer Box sequences (E-boxes) and recruiting histone acetyltransferases (HATs). c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis and cell cycle progression. This Myc-Tag antibody detects endogenous levels of total c-Myc protein and is also for detection of Myc-tagged fusion proteins.

Specificity/Source: This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to the residues of c-myc.

Recommended Dilutions:

WB: 1:2,000

Storage Buffer: 1*TBS (pH7.4), 0.5%BSA, 40%Glycerol.

Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified

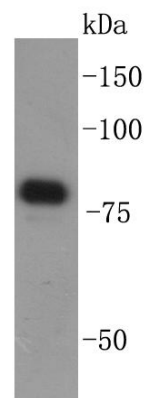


Fig1: Western blot analysis on recombinant full length myc protein expressed in *Escherichia coli*.

References:

1. "A quantitative atlas of mitotic phosphorylation."Dephoure N., Zhou C., Villen J., Beausoleil S.A., Bakalarski C.E., Elledge S.J., Gygi S.P.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008)
2. "Transactivation of gene expression by Myc is inhibited by mutation at the phosphorylation sites Thr-58 and Ser-62."Gupta S., Seth A., Davis R.J. Proc. Natl. Acad. Sci. U.S.A. 90:3216-3220(1993)