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35-1392: Polyclonal Antibody to Myc (Ab-358)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human
Gene :	MYC
Gene ID :	4609
Uniprot ID :	P01106
Format :	Purified
Alternative Name :	c-myc
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.356~360 (R-R-T-H-N) derived from Human Myc.

Description

Myc proto-oncogene encodes nuclear DNA-binding phosphoproteins that are involved in the regulation of gene expression and DNA replication during cell growth and differentiation. Myc encodes a protein of 65 kDa which is expressed in almost all normal and transformed cells. The expression correlates with the proliferation state of the cells. Transcription is repressed in quiescent or terminally differentiated cells. Expression of Myc is generally induced after mitogenic stimulation of cells or serum induction. Myc therefore is an important positive regulator of cell growth and proliferation. Myc has been demonstrated also to be a potent inducer of apoptosis when expressed in the absence of serum or growth factors. Apoptosis may serve also as a protective mechanism to prevent tumorigenicity elicited by deregulated Myc expression. Sequences of the Myc oncogene have been highly conserved throughout evolution, from Drosophila to vertebrates

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 60kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

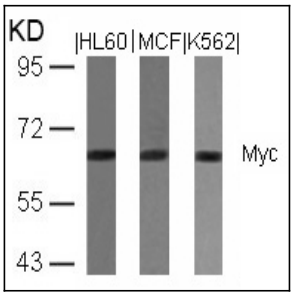


Figure 1: Western blot analysis of extracts from HL60, MCF and K562 cells using Myc(Ab-358) Antibody 35-1392 .

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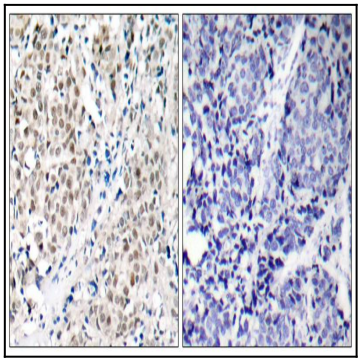


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Myc(Ab-358) Antibody 35-1392 (left) or the same antibody preincubated with blocking peptide(right).

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