

## Myc(Ab-358) Antibody

Catalog No: #21035

Package Size: #21035-1 50ul #21035-2 100ul

## Description

|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Myc(Ab-358) Antibody                                                                                                                                                          |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB IHC                                                                                                                                                                        |
| Species Reactivity    | Hu                                                                                                                                                                            |
| Specificity           | The antibody detects endogenous level of total Myc protein.                                                                                                                   |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.356~360 (R-R-T-H-N) derived from Human Myc.                                                                                                        |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | Myc                                                                                                                                                                           |
| Other Names           | c-myc                                                                                                                                                                         |
| Accession No.         | Swiss-Prot: P01106NCBI Protein: NP_002458.2                                                                                                                                   |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

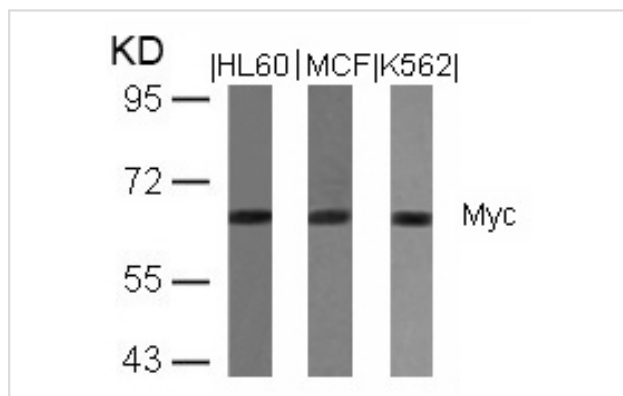
## Application Details

Predicted MW: 60kd

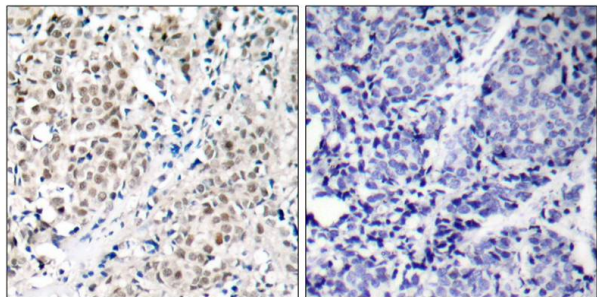
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HL60, MCF and K562 cells using Myc(Ab-358) Antibody #21035.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Myc(Ab-358) Antibody #21035(left) or the same antibody preincubated with blocking peptide(right).

## Background

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

Baudino T A, et al. (2001) *Mol Cell Biol.* 21: 691-702.

Blackwood E M, et al. (1991) *Science.* 251:1211-1217.

Henriksson M, et al. (1996) *Adv Cancer Res.* 68: 109-182.

Grandori C, et al. (2000) *Annu Rev Cell Dev Biol.* 16: 653-699.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.