

Myc (Phospho-Thr58) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 43034

Format: 100ul at 1.0mg/ml in PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

BACKGROUND

Myc (c-Myc) is a regulator gene that codes for transcription factor Myc. This protein is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. A mutated version of Myc is found in many cancers which causes Myc to be constitutively expressed.

SPECIFICATION SUMMARY

Antigen: Peptide sequence that includes phosphorylation site of threonine 58 (L-P-T(p)-P-P) derived from human Myc and conjugated to KLH.

Accession no.: P01106, NP_002458.2

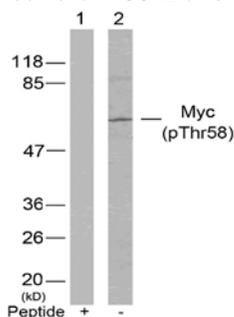
Host Species: Rabbit

Specificity: This antibody detects endogenous human, mouse, and rat Myc only when phosphorylated at threonine 58.

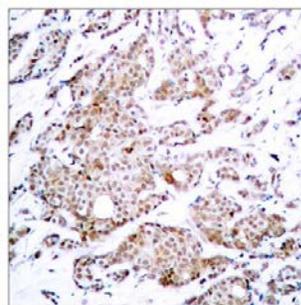
APPLICATION

Immunoblotting: use at dilution of 1:500-1:1,000. **Immunohistochemistry:** use at dilution of 1:50-1:100.

A band of ~60kDa is detected.



Detection of Myc (phospho-Thr58) in extracts of HeLa cells (1) after pre-incubation of #43034 with blocking peptide or (2) with no pretreatment of antibody.



Detection of Myc (phospho-Thr58) in paraffin-embedded human breast carcinoma tissue.

These are recommended working dilutions. Enduser should determine optimal dilutions for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term use. *For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.*