Bcl-2 (Phospho-Thr56) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 43064

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

Bcl-2 protein suppresses apoptosis in a variety of cellular systems including factor-dependent lymphohematopoietic and neural cells. It regulates cell death by controlling the mitochondrial membrane permeability and appears to function in a feedback loop system with caspase. Bcl-2 inhibits caspase acativity either by preventing release of cytochrome c from the mitochondria and/or by binding to apoptosis-activating factor (Apaf-1). The predicted molecular weight of Bcl-2 is ~26kDa.

SPECIFICATION SUMMARY

Antigen: Peptide sequence that includes phosphorylation site of threonine 56 (G-H-T(p)-P-H) derived from human Bcl-2 and conjugated to KLH.

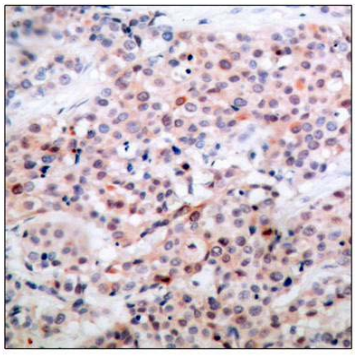
Host Species: Rabbit

Specificity: This antibody detects endogenous human Bcl-2 only when phosphorylated at threonine 56.

Accession no.: P10415, NP_000624.2

APPLICATIONS

Immunohistochemistry: use at dilution of 1:50-1:100.



Detection of Bcl-2 (phospho-Thr56) in paraffin-embedded human breast carcinoma tissue.

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

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.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.

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