

Bcl2

Reactivity: Human

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW: 26kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human Bcl2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

BCL2; Bcl-2 ; ONCOGENE B-CELL LEUKEMIA 2; Apoptosis regulator Bcl-2

Catalog #: A11490

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 596

Isotype: IgG

Swiss Prot: P10415

Purity: Affinity purification

For research use only.

Background:

BCL2 exerts a survival function in response to a wide range of apoptotic stimuli through inhibition of mitochondrial cytochrome c release (1). It has been implicated in modulating mitochondrial calcium homeostasis and proton flux (2). Several phosphorylation sites have been identified within BCL2 including Thr56, Ser70, Thr74 and Ser87 (3). It has been suggested that these phosphorylation sites may be targets of the ASK1/MKK7/JNK1 pathway, and that phosphorylation of BCL2 may be a marker for mitotic events (4,5). Mutation of BCL2 at Thr56 or Ser87 inhibits its anti-apoptotic activity during glucocorticoid-induced apoptosis of T lymphocytes (6). Interleukin 3 and JNK-induced BCL2 phosphorylation at Ser70 may be required for its enhanced anti-apoptotic functions (7).

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