

BCL2

Reactivity:Human Mouse Rat

Tested applications:WB IHC IP FC

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:50 - 1:100 IP 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW:26kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human BCL2

Storage Buffer:

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

Concentration:

bi

Synonym:

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

Catalog #:A2212

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:596

Isotype:IgG

Swiss Prot:P10415

Purity:Affinity purification

For research use only.

Background:

Bcl-2 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 Bcl-2 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 Bcl-2 may be a marker for mitotic events (4,5). Mutation of Bcl-2 at Thr56 or Ser87 inhibits its anti-apoptotic activity during glucocorticoid-induced apoptosis of T lymphocytes (6). Interleukin 3 and JNK-induced Bcl-2 phosphorylation at Ser70 may be required for its enhanced anti-apoptotic functions (7).

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