

## 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:**

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**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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