
anti-Bcl-x S/L

Cat #: HM1028
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Bcl-x belongs to the Bcl-2 protein family whose members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. Bcl-x proteins are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct isoforms, have been reported. Bcl-xL, a 241 amino acid protein with 43% sequence identity with Bcl-2 that suppresses cell death, and Bcl-xS, a shorter variant that is 178 amino acids in length and missing a 63 amino acid region (amino acids 126-188) found in Bcl-xL and which functions as a dominant inhibitor of Bcl-2.

SPECIFICITY

This antibody reacts with Bcl-xS and Bcl-xL of mouse, rat and human origin. It can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Recommended dilution: 1:500–1:1000 for Western blotting.

IMMUNOGEN

Full-length recombinant human Bcl-x protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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