

Bcl-B (L-16): sc-101874

BACKGROUND

Members of the Bcl-2 family of proteins regulate cell survival by either inhibiting apoptosis or by facilitating the complicated process of cell death. Bcl-B, also known as BCL2L10, Diva, Boo or BCLB, is a widely expressed 194 amino acid member of the Bcl-2 protein family. Localized to the nuclear membrane, Bcl-B promotes cell survival by suppressing Bax-induced apoptosis. Bcl-2 contains a BH4 domain as well as a transmembrane domain, both of which are necessary for its antiapoptotic effects. Overexpression of Bcl-B is thought to prevent the release of cytochrome C from the mitochondria, thereby triggering caspase-3 activation and suppressing cell apoptosis. Bcl-B is implicated in the pathogenesis of cervical cancer.

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CHROMOSOMAL LOCATION

Genetic locus: BCL2L10 (human) mapping to 15q21.2.

SOURCE

Bcl-B (L-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of Bcl-B of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Bcl-B (L-16) is recommended for detection of Bcl-B of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Bcl-B siRNA (h): sc-90043, Bcl-B shRNA Plasmid (h): sc-90043-SH and Bcl-B shRNA (h) Lentiviral Particles: sc-90043-V.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.


 MONOS
 Satisfaction
 Guaranteed

Try **Bcl-B (3B4): sc-134279**, our highly recommended monoclonal alternative to Bcl-B (L-16).