

Bcl-xL Polyclonal Antibody

CATALOG NO: 3312-30T 30 µg (Trial size)
3312-100 100 µg

IMMUNOGEN: Synthetic peptide surrounding amino acid 56 of human Bcl-xL (ID# BV-127)

FORMULATION: 0.5 mg/ml affinity purified, rabbit anti-Bcl-xL polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

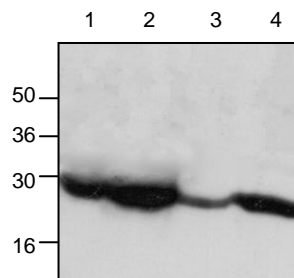
SPECIES REACTIVITY: Human, Mouse, Rat

STORAGE CONDITIONS: Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND: Bcl-xL is a 30 kDa anti-apoptotic protein belonging to the Bcl-2 family. Bcl-xL prevents apoptosis through two different mechanisms: by heterodimerization with an apoptotic protein to inhibit its apoptotic effect, and by its direct pore-forming effect on the outer-membrane of mitochondria to help maintain a normal membrane state under stress conditions. Bcl-xL can be cleaved by caspases upon apoptotic activation, which converts Bcl-xL from an antiapoptotic protein to a proapoptotic cleavage product. The cleavage product of Bcl-xL forms cytochrome c-releasing pores in the mitochondrial membrane to facilitate the apoptosis signaling pathway.

APPLICATION AND USAGE: The antibody can be used for Western blotting (0.5-4 µg/ml) and immunoprecipitation (20 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY: The antibody detects the 30 kDa Bcl-xL protein. It does not react with other Bcl-2 family members.



Cat.# 3312-100
Western blot analysis of Bcl-xL expression in Jurkat (**Lane 1&2**), mouse small intestine (**Lane 3**), and rat kidney (**Lane 4**) lysates.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies

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