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.

FOR RESEARCH USE ONLY! Not to be used on humans.