

**Anti-Human/Mouse/Rat BCL-x Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA02233**

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3th Edition

**Description:**Bcl x is a member of the Bcl 2 family of proteins, which function as regulators of apoptosis. It may provide neuroprotection against ischemic brain injury. Bcl x has two isoforms, Bcl xl (long) a 241 amino acid protein and Bcl xs (short) a 178 amino acid protein lacking a 63 amino acid domain that is well conserved among members of the Bcl2 family. Isoform Bcl-X(L) anti-apoptotic activity is inhibited by association with SIVA isoform 1. Inhibits activation of caspases. Appears to regulate cell death by blocking the voltage-dependent anion channel (VDAC) by binding to it and preventing the release of the caspase activator, cytochrome c, from the mitochondrial membrane. The Bcl-X(S) isoform promotes apoptosis.

**Antigen:**Synthesized peptide derived from human Bcl-x around the non-phosphorylation site of Ser62.

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**Bcl-X(S) is expressed at high levels in cells that undergo a high rate of turnover, such as developing lymphocytes. In contrast, Bcl-X(L) is found in tissues containing long-lived postmitotic cells, such as adult brain.