

Bcl-x Rabbit pAb

CatalogNo: YT0477

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 30kD (Observed)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:5000

Not yet tested in other applications.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human BCL-XL. AA range:13-62

Specificity

Bcl-x Polyclonal Antibody detects endogenous levels of Bcl-x protein.

| Target Information

Gene name BCL2L1 BCL2L BCLX

Protein Name Bcl-2-like protein 1

Organism	Gene ID	UniProt ID
Human	598;	Q07817;
Mouse	12048;	Q64373;
Rat	24888;	P53563;

Cellular Localization [Isoform Bcl-X (L)]: Mitochondrion inner membrane . Mitochondrion outer membrane . Mitochondrion matrix . Cytoplasmic vesicle , secretory vesicle , synaptic vesicle membrane . Cytoplasm , cytosol . Cytoplasm , cytoskeleton , microtubule organizing center , centrosome. Nucleus membrane ; Single-pass membrane protein ; Cytoplasmic side . After neuronal stimulation , translocates from cytosol to synaptic vesicle and mitochondrion membrane in a calmodulin-dependent manner (By similarity) . Localizes to the centrosome when phosphorylated at Ser-49. .

Tissue 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.

Function Domain:The BH4 motif is required for anti-apoptotic activity. The BH1 and BH2 motifs are required for both heterodimerization with other Bcl-2 family members and for repression of cell death. ,Function:Potent inhibitor of cell death. Isoform Bcl-X (L) anti-apoptotic activity is inhibited by association with SIVA isoform 1. Inhibits activation of caspases (By similarity) . 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. ,PTM:Proteolytically cleaved by caspases during apoptosis. The cleaved protein , lacking the BH4 motif , has pro-apoptotic activity. ,similarity:Belongs to the Bcl-2 family. ,subcellular location:Mitochondrial membranes and perinuclear envelope. ,subunit:Bcl-X (L) forms homodimers , and heterodimers with BAX , BAK and BCL2. Heterodimerization with BAX does not seem to be required for anti-apoptotic activity. Also interacts with BAD and BBC3. Isoform Bcl-X (L) binds to Siva isoform 1. Interacts with BCL2L11 (By similarity) . Interacts with BECN1 and PGAM5. Isoform Bcl-X (L) interacts with BAX isoform Sigma. ,tissue 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. ,

| Validation Data

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Bcl-x Rabbit pAb

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