

Bcl-xl protein

CatalogNo: YD0114

| Key Features

Reactivity

- Human

| Storage

Storage* -20°C/6 month,-80°C for long storage

Formulation Liquid in PBS

| Recommended Dilution Ratios

| Basic Information

Source E.coli

Purification E.coli

Purity SDS-PAGE >90%

| Immunogen Information

Sequence Amino acid: 1-110, with his-MBP tag.

| Target Information

Gene name BCL2L1 BCL2L BCLX

Protein Name

Bcl-2-like protein 1

Organism

Human

Gene ID[598](#);**UniProt ID**[Q07817](#);**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. .

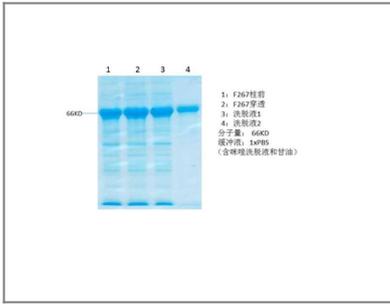
Tissue specificity

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

response to reactive oxygen species, ovarian follicle development, response to hypoxia, in utero embryonic development, release of cytochrome c from mitochondria, reproductive developmental process, mitochondrial transport, cellular ion homeostasis, apoptosis, anti-apoptosis, response to oxidative stress, mitochondrion organization, mitochondrial membrane organization, gamete generation, germ cell development, spermatogenesis, sex differentiation, cell death, positive regulation of cell proliferation, gonad development, male gonad development, female gonad development, negative regulation of survival gene product expression, apoptotic mitochondrial changes, response to radiation, fertilization, response to abiotic stimulus, response to endogenous stimulus, response to hormone stimulus, embryonic development ending in birth or egg hatching, response to organic substance, response to inorganic substance, response to metal ion, response to organic nitrogen, response to lead ion, negative regulation of macromolecule metabolic process, negative regulation of gene expression, regulation of cell death, positive regulation of cell death, programmed cell death, response to organic cyclic substance, response to cycloalkane, membrane organization, death, cellular homeostasis, sexual reproduction, ovulation cycle process, multicellular organism reproduction, response to cytokine stimulus, growth, regulation of cell proliferation, regulation of membrane potential, response to hydrogen peroxide, homeostatic process, ovulation cycle, regulation of apoptosis, chordate embryonic development, positive regulation of apoptosis, negative regulation of apoptosis, regulation of programmed cell death, positive regulation of programmed cell death, negative regulation of programmed cell death, response to peptide hormone stimulus, regulation of neuron apoptosis, negative regulation of neuron apoptosis, development of primary sexual characteristics, regulation of anti-apoptosis, positive regulation of anti-apoptosis, regulation of survival gene product expression, development of primary female sexual characteristics, development of primary male sexual characteristics, female sex differentiation, male sex differentiation, response to cycloheximide, regulation of mitochondrial membrane permeability, intracellular transport, male gamete generation, rhythmic process, reproductive structure development, reproductive process in a multicellular organism, reproductive cellular process, chemical homeostasis, ion homeostasis, response to protein stimulus, regulation of mitochondrial membrane potential, cellular chemical homeostasis, negative regulation of cell death, response to oxygen levels,

Validation Data



Contact information

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product information:
Bcl-x1 protein

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