

Rabbit Bcl-XL Polyclonal Antibody | anti-Bcl-XL antibody

Bcl-XL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75843	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Bcl-XL; Polyclonal Antibody; Bcl-XL Antibody; Apoptosis regulator Bcl X; B cell lymphoma 2 like; B2CL1_HUMAN; Bcl 2 like 1 protein; Bcl X; Bcl xL; BCL XL/S; Bcl xS; Bcl-2-like protein 1; Bcl2 Like 1; Bcl2 related gene; BCL2L; BCLX; PPP1R52; Protein phosphatase 1 regulatory subunit 52 antibody; anti-Bcl-XL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.50ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	233
Applicable Applications for anti-Bcl-XL antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide taken within amino acid region 150-200 on human BCL-2-like protein 1.
Immunoglobulin	IgG
Expression	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.
Molecular Function	BH3 domain binding; Identical protein binding; Protein heterodimerization and homodimerization activity; protein kinase binding
Structure	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. The loop between motifs BH4 and BH3 is required for the interaction with NLRP1.
Subcellular Location	Mitochondrion inner membrane Mitochondrion outer membrane Mitochondrion matrix Cytoplasmic vesicle degree secretory vesicle degree synaptic vesicle membrane Cytoplasm degree cytosol Cytoplasm degree cytoskeleton degree microtubule organizing center degree centrosome Nucleus membrane ; Single-pass membrane protein ; Cytoplasmic side Note: After neuronal stimulation, translocates from cytosol to synaptic vesicle and mitochondrion membrane in a calmodulin-dependent manner. Localizes to the centrosome when phosphorylated at Ser-49.
Preparation and Storage	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-Bcl-XL antibody	Affinity Purified Bcl-2-like protein 1 Antibody Potent inhibitor of cell death. 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, CYC1, from the mitochondrial membrane. Also acts as a regulator of G2 checkpoint and progression to cytokinesis during mitosis. Isoform Bcl-X(L) also regulates presynaptic plasticity, including neurotransmitter release and recovery, number of axonal mitochondria as well as size and number of synaptic vesicle clusters. During synaptic stimulation, increases ATP availability from mitochondria through regulation of mitochondrial membrane ATP synthase F1F0 activity and regulates endocytic vesicle retrieval in hippocampal neurons through association with DMN1L and stimulation of its GTPase activity in synaptic vesicles. May attenuate inflammation impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release. Isoform Bcl-X(S) promotes apoptosis.
Product Categories/Family for anti-Bcl-XL antibody	Primary Antibodies; Cancer Research; Invasion/microenviornment; Apoptosis; Bcl-XL Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	728955
NCBI GeneID	598
UniProt Accession #	Q07817; Q5CZ89; Q5TE65; Q92976; E1P5L6
Molecular Weight	25,290 Da
NCBI Official Full Name	Bcl-2-like protein 1
NCBI Official Synonym Full Names	BCL2 like 1
NCBI Official Symbol	BCL2L1
NCBI Official Synonym Symbols	BCLX; BCL2L; Bcl-X; PPP1R52; BCL-XL/S
NCBI Protein Information	bcl-2-like protein 1
UniProt Protein Name	Bcl-2-like protein 1
UniProt Gene Name	BCL2L1
UniProt Synonym Gene Names	BCL2L; BCLX; Bcl2-L-1
UniProt Entry Name	B2CL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.