

Product datasheet for **TA383814S**

Bcl x (BCL2L1) Rabbit Monoclonal Antibody [Clone ID: R02-2D3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R02-2D3
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB: 1/1000 IHC: 1/200 ICC/IF: 1/200 IP: 1/20
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of human Bcl-XL
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 26 kDa; Observed MW: 30 kDa
Gene Name:	BCL2 like 1
Database Link:	Entrez Gene 598 Human Q07817



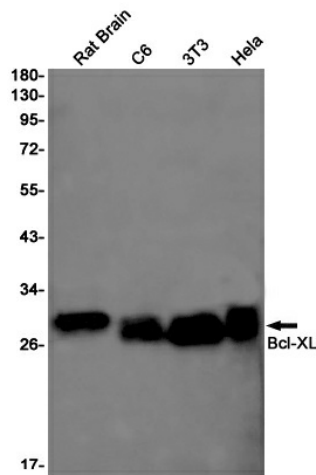
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Background:

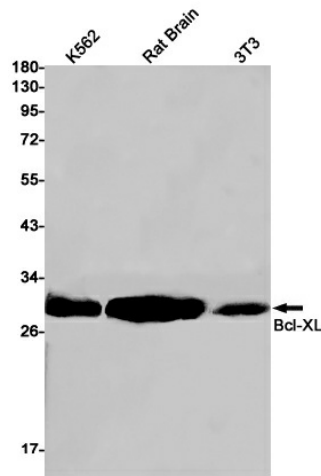
Swiss-Prot Acc.Q07817. Potent inhibitor of cell death. Inhibits activation of caspases. Appears to regulate cell death by blocking the voltage-dependent anion channel (VDAC) by binding to it and preventing the release of the caspase activator, CYC1, from the mitochondrial membrane. Also acts as a regulator 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 (PubMed:17418785).

Synonyms:

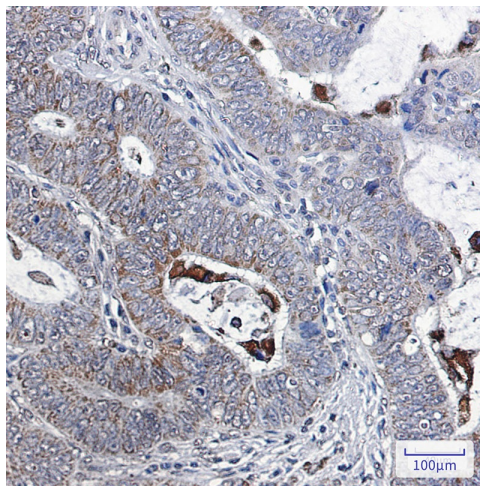
Bcl-X; bcl-xL; BCL-XL/S; bcl-xS; Bcl2-L-1; BCL2L; BCLX; DKFZp781P2092; OTTHUMP00000030550

Product images:

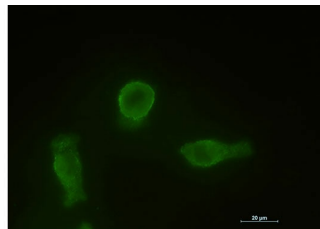
Western blot analysis of Bcl-XL in rat Brain, C6, 3T3, HeLa lysates using Bcl-XL antibody.



Western blot analysis of Bcl-XL in K562, rat Brain, 3T3 lysates using Bcl-XL antibody



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Bcl-XL antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of Bcl-XL (green) in HT-1080 using Bcl-XL antibody, and DAPI (blue).