

[KO]Bcl-XL Rabbit mAb

Catalog # AP75150

Product Information

Application	WB, IHC-P, IP
Primary Accession	Q07817
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	26049

Additional Information

Gene ID	598
Other Names	BCL2L1
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A IP~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	BCL2L1
Synonyms	BCL2L, BCLX
Function	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(S) promotes apoptosis.
Cellular Location	[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. Note=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

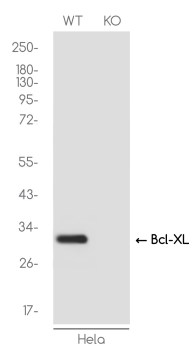
Tissue Location

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

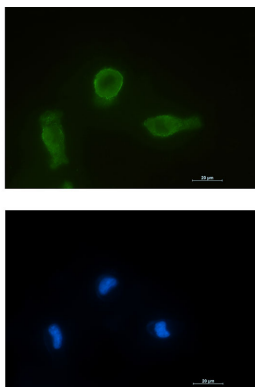
Background

The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities.

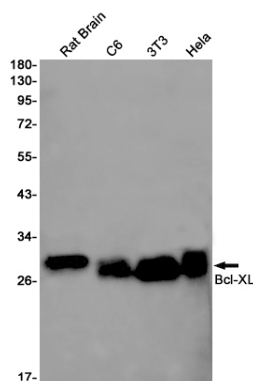
Images



Western blot analysis of Bcl-XL in HeLa(WT) and Bcl-XL-Knockout HeLa(KO) using Bcl-XL antibody.

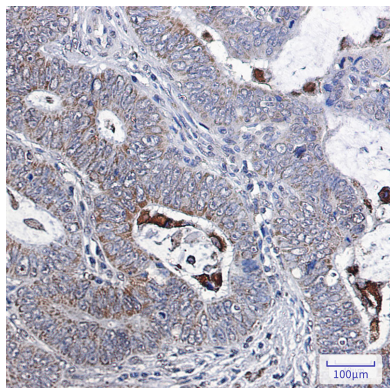
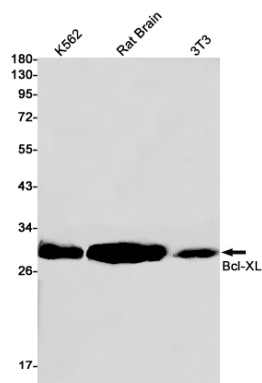


Immunocytochemistry analysis of Bcl-XL (green) in HT-1080 using Bcl-XL antibody, and DAPI(blue).



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.

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