
Product Name: KD-Validated Bcl-XL Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01632**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 26.0kDa

Antigen Information

Gene Name	BCL2L1 BCL2L1; BCL2 Like 1; BCL2L; BCLX; PPP1R52; Protein Phosphatase 1, Regulatory Subunit 52;
Alternative Names	Apoptosis Regulator Bcl-X; Bcl-2-Like Protein 1; Bcl-X; BCL-XL/S; Bcl2-L-1; Bcl-XL; Bcl-XS; BCL-XL; BCL-XS; BCL-X
Gene ID	598.0
SwissProt ID	Q07817
Immunogen	A synthesized peptide derived from human Bcl-XL

Background

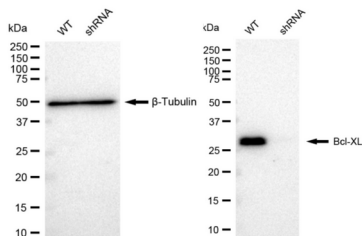
The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this

gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform acts as an apoptotic inhibitor and the shorter isoform acts as an apoptotic activator. [provided by RefSeq, Dec 2015]

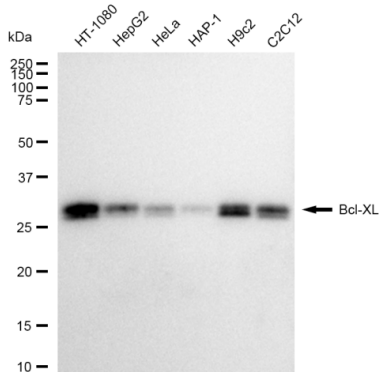
Research Area

Cell Biology

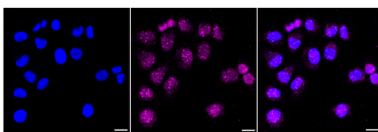
Image Data



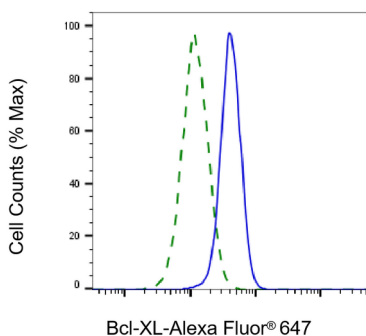
Western blotting analysis using Bcl-XL antibody (KVA01632). Bcl-XL expression in wild type (WT) and BCL2L1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Bcl-XL antibody (KVA01632, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



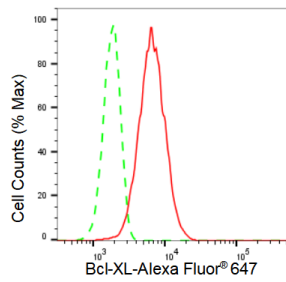
Western blotting analysis using Bcl-XL antibody (KVA01632). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Bcl-XL antibody (KVA01632, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Bcl-XL antibody (KVA01632, 1:1,000). Nuclei were stained blue with DAPI; Bcl-XL was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar: 20 μ m.



Validation of Bcl-XL knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Bcl-XL antibody (KVA01632, 1:2,000) and analyzed using CytoFLEX.



Flow cytometric analysis of Bcl-XL expression in HT-1080 cells using Bcl-XL antibody (KVA01632, 1:2,000). Green, isotype control; red, Bcl-XL.