

Product Name: KD-Validated Bcl-2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00250**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,IHC-P
Reactivity	Human
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 26.3kDa

Antigen Information

Gene Name	BCL2
Alternative Names	BCL2 Apoptosis Regulator; PPP1R50; Bcl-2; Protein Phosphatase 1, Regulatory Subunit 50; Apoptosis Regulator Bcl-2; B-Cell CLL/Lymphoma 2; BCL2, Apoptosis Regulator
Gene ID	596.0
SwissProt ID	P10415
Immunogen	A synthesized peptide derived from human Bcl-2

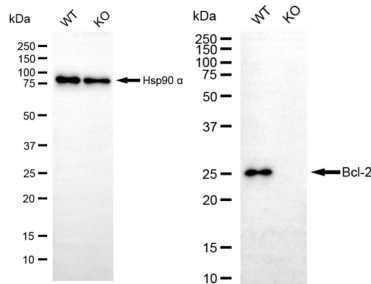
Background

This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

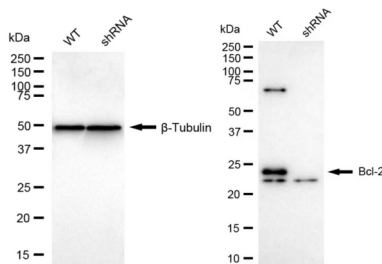
Research Area

Cell Biology, Signal Transduction, Cancer, Kits/ Lysates/ Other, Metabolism

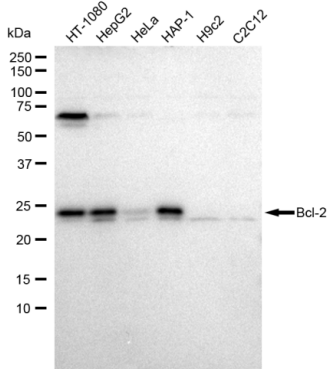
Image Data



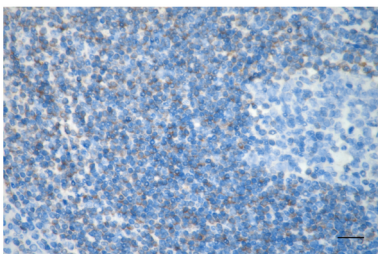
Western blotting analysis using Bcl-2 antibody (KVA00250). Bcl-2 expression in wild type (WT) and BCL2 knockout (KO) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Bcl-2 antibody (KVA00250, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



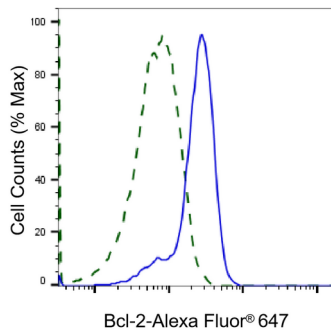
Western blotting analysis using Bcl-2 antibody (KVA00250). Bcl-2 expression in wild type (WT) and Bcl-2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Bcl-2 antibody (KVA00250, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



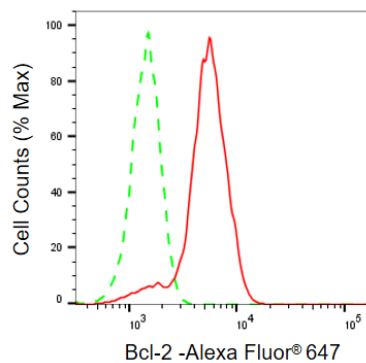
Western blotting analysis using Bcl-2 antibody (KVA00250). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Bcl-2 antibody (KVA00250, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human tonsillitis using bcl-2 antibody (KVA00250, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Validation of Bcl-2 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Bcl-2 antibody (KVA00250, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Bcl-2 expression in HepG2 cells using Bcl-2 antibody (KVA00250, 1:2,000). Green, isotype control;red, Bcl-2.