

KD-Validated Anti-Bcl-2 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2301**Specification****KD-Validated Anti-Bcl-2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	P10415
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 26 kDa , observed, 26 kDa KDa
Gene Name	BCL2
Aliases	BCL2 Apoptosis Regulator; PPP1R50; Bcl-2; Protein Phosphatase 1, Regulatory Subunit 50; Apoptosis Regulator Bcl-2; B-Cell CLL/Lymphoma 2; BCL2, Apoptosis Regulator
Immunogen	A synthesized peptide derived from human Bcl-2

KD-Validated Anti-Bcl-2 Rabbit Monoclonal Antibody - Additional Information

Gene ID	596
Other Names	
Apoptosis regulator Bcl-2, BCL2	

KD-Validated Anti-Bcl-2 Rabbit Monoclonal Antibody - Protein Information**Name** BCL2**Function**

Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells (PubMed:1508712, PubMed:8183370). Regulates cell death by controlling the mitochondrial membrane permeability (PubMed:11368354). Appears to function in a feedback loop system with caspases (PubMed:11368354). Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1) (PubMed:11368354). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function (PubMed:18570871, PubMed:20889974, PubMed:21358617). May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release (PubMed:17418785).

Cellular Location

Mitochondrion outer membrane; Single-pass membrane protein. Nucleus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:P10417}

Tissue Location

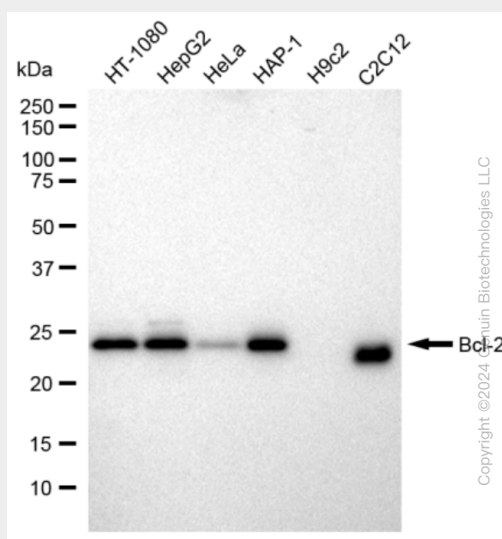
Expressed in a variety of tissues.

KD-Validated Anti-Bcl-2 Rabbit Monoclonal Antibody - Protocols

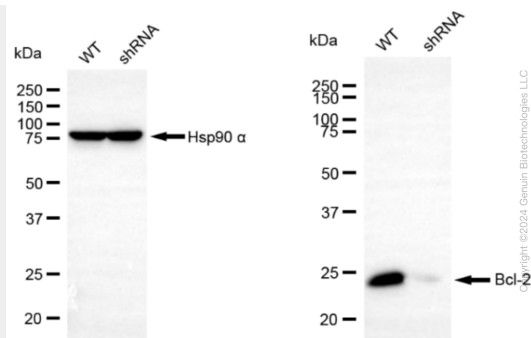
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

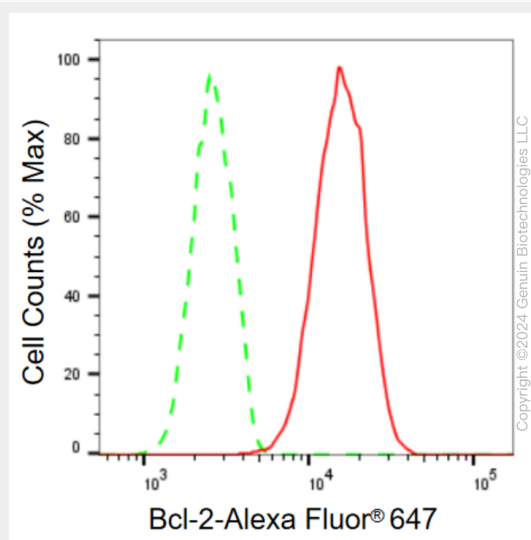
KD-Validated Anti-Bcl-2 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Bcl 2 antibody (Cat#AGI2301). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Bcl 2 antibody (Cat#AGI2301, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Bcl-2 antibody (Cat#AGI2301). 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 anti-Bcl-2 antibody (Cat#AGI2301, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Bcl-2 expression in HT-1080 cells using Bcl-2 antibody (Cat#AGI2301, 1:2,000). Green, isotype control; red, Bcl-2.