

KD-Validated Anti-BCL2 Like 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody Catalog # AGI1882

Specification

KD-Validated Anti-BCL2 Like 1 Rabbit Monoclonal Antibody - Product Information

Application WB, ICC Primary Accession Q07817

Reactivity Rat, Human, Mouse Clonality Monoclonal

Isotype Rabbit IgG

Calculated MW Predicted, 26 kDa, observed, 30 kDa KDa

Gene Name BCL2L1

Aliases BCL2L1; BCL2 Like 1; BCL2L; BCLX;

PPP1R52; Bcl-X; Protein Phosphatase 1, Regulatory Subunit 52; Apoptosis Regulator Bcl-X; Bcl-2-Like Protein 1; Bcl-XL; Bcl-XS; BCL-XL/S; Bcl2-L-1

Immunogen Recombinant protein of human Bcl-XL

KD-Validated Anti-BCL2 Like 1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 598

Other Names

Bcl-2-like protein 1, Bcl2-L-1, Apoptosis regulator Bcl-X, BCL2L1, BCL2L, BCLX

KD-Validated Anti-BCL2 Like 1 Rabbit Monoclonal Antibody - 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



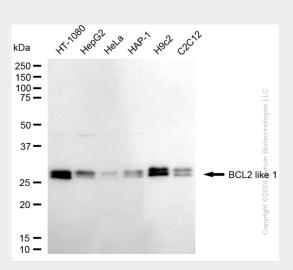
developing lymphocytes. In contrast, Bcl-X(L) is found in tissues containing long-lived postmitotic cells, such as adult brain

KD-Validated Anti-BCL2 Like 1 Rabbit Monoclonal Antibody - Protocols

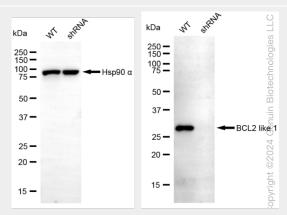
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

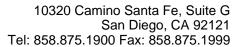
KD-Validated Anti-BCL2 Like 1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-BCL2 like 1 antibody (Cat#AGI1882). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-BCL2 like 1 antibody (Cat#AGI1882, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



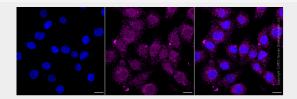
Western blotting analysis using anti-BCL2 like 1 antibody (Cat#AGI1882). BCL2 like 1 expression in wild type (WT) and BCL2 like 1 (BCL2L1) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-BCL2 like 1





respectively.

antibody (Cat#AGI1882, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody



Immunocytochemical staining of HT-1080 cells with anti-BCL2 like 1 antibody(Cat#AGI1882, 1:1,000). Nuclei were stained blue with DAPI; BCL2 like 1 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 μm .