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BCL2L1 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM2211b

Specification

BCL2L1 Antibody - Product Information

Application	**WB,E**
Primary Accession	Q07817
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**26049**

BCL2L1 Antibody - Additional Information

Gene ID 598

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

Target/Specificity
Purified His-tagged BCL2L1 protein was used to produced this monoclonal antibody.

Dilution
WB~~1:1000

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BCL2L1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

BCL2L1 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

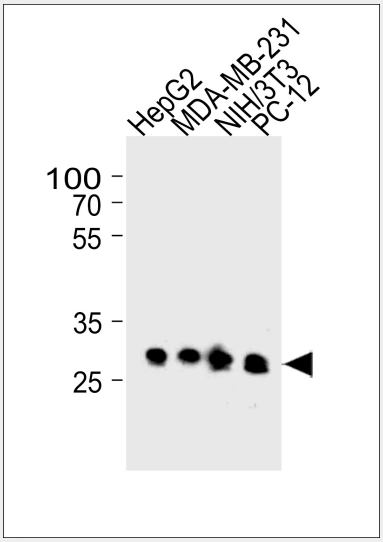
Tissue Location
Bcl-X(S) is expressed at high levels in cells that undergo a high rate of turnover, such as developing lymphocytes. In contrast, Bcl-X(L) is found in tissues containing long-lived postmitotic cells, such as adult brain

BCL2L1 Antibody - Protocols

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

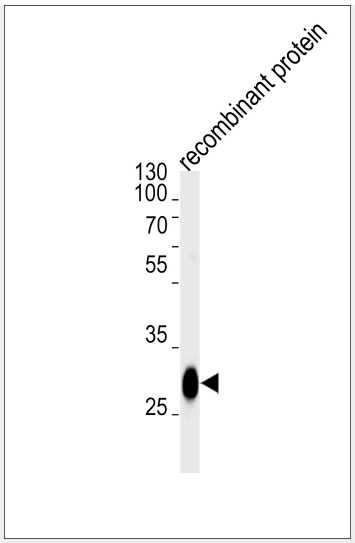
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BCL2L1 Antibody - Images



BCL2L1 Antibody(Cat. #AM2211b) western blot analysis in HepG2,MDA-MB-231,mouse NIH/3T3 and rat PC-12 cell line lysates (35µg/lane).This demonstrates the BCL2L1 antibody detected the BCL2L1 protein (arrow).

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BCL2L1 Antibody (Cat. #AM2211b) western blot analysis in recombinant protein lysates (35µg/lane).This demonstrates the BCL2L1 antibody detected the BCL2L1 protein (arrow).

BCL2L1 Antibody - Background

Potent inhibitor of cell death. Inhibits activation of caspases (By similarity). Appears to regulate cell death by blocking the voltage-dependent anion channnel (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.

BCL2L1 Antibody - References

Boise L.H., et al. Cell 74:597-608(1993).
Ban J., et al. Biochem. Biophys. Res. Commun. 248:147-152(1998).
Inohara N., et al. Submitted (OCT-1996) to the EMBL/GenBank/DDBJ databases.
Bechtel S., et al. BMC Genomics 8:399-399(2007).
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