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BCL2A1 (A1) Antibody (BH3 Domain Specific)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1300a

Specification

BCL2A1 (A1) Antibody (BH3 Domain Specific) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q16548
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Antigen Region	**30-65**

BCL2A1 (A1) Antibody (BH3 Domain Specific) - Additional Information

Gene ID 597

Other Names
Bcl-2-related protein A1, Bcl-2-like protein 5, Bcl2-L-5, Hemopoietic-specific early response protein, Protein BFL-1, Protein GRS, BCL2A1, BCL2L5, BFL1, GRS, HBPA1

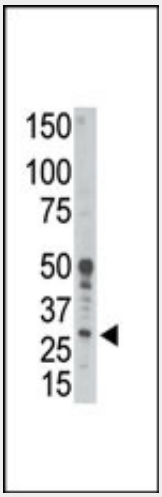
Target/Specificity
This BCL2A1 (A1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-65 amino acids from human BCL2A1 (A1).

Dilution
WB~~1:1000
IHC-P~~1:50~100

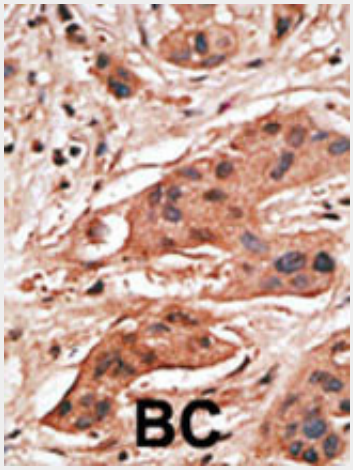
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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



Western blot analysis of anti-Bcl2-related Protein A1 Pab (Cat. #AP1300a) in human placenta tissue lysate. Bcl2-related Protein A1 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

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BCL2A1 (A1) Antibody (BH3 Domain Specific) - Protein Information

Name BCL2A1

Synonyms BCL2L5, BFL1, GRS, HBPA1

Function
Retards apoptosis induced by IL-3 deprivation. May function in the response of hemopoietic cells to external signals and in maintaining endothelial survival during infection (By similarity). Can inhibit apoptosis induced by serum starvation in the mammary epithelial cell line HC11 (By similarity).

Cellular Location
Cytoplasm.

Tissue Location
Seems to be restricted to the hematopoietic compartment. Expressed in peripheral blood, spleen, and bone marrow, at moderate levels in lung, small intestine and testis, at a minimal levels in other tissues. Also found in vascular smooth muscle cells and hematopoietic malignancies

BCL2A1 (A1) Antibody (BH3 Domain Specific) - 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

BCL2A1 (A1) Antibody (BH3 Domain Specific) - Citations

- Gene expression changes and signaling events associated with the direct antimelanoma effect of IFN-gamma.

BCL2A1 (A1) Antibody (BH3 Domain Specific) - Background

Bcl-2 related Protein A1 is a member of the BCL-2 protein family. The proteins of this family form hetero- or homodimers and act as anti- and pro-apoptotic regulators that are involved in a wide variety of cellular activities such as embryonic development, homeostasis and tumorigenesis. The protein encoded by this gene is able to reduce the release of pro-apoptotic cytochrome c from mitochondria and block caspase activation. This gene is a direct transcription target of NF-kappa B in response to inflammatory mediators, and has been shown to be up-regulated by different extracellular signals, such as granulocyte-macrophage colony-stimulating factor (GM-CSF), CD40, phorbol ester and inflammatory cytokine TNF and IL-1, which suggests a cytoprotective function that is essential for lymphocyte activation as well as cell survival.

BCL2A1 (A1) Antibody (BH3 Domain Specific) - References

Akatsuka, Y., et al., J. Exp. Med. 197(11):1489-1500 (2003).
Edelstein, L.C., et al., Mol. Cell. Biol. 23(8):2749-2761 (2003).
Werner, A.B., et al., J. Biol. Chem. 277(25):22781-22788 (2002).
Akari, H., et al., J. Exp. Med. 194(9):1299-1311 (2001).
Harrington, J.J., et al., Nat. Biotechnol. 19(5):440-445 (2001).