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Bcl-w Antibody (BH3 Domain Specific)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1305a

Specification

Bcl-w Antibody (BH3 Domain Specific) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q92843
Other Accession	P70345, Q1RMX3
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**24-59**

Bcl-w Antibody (BH3 Domain Specific) - Additional Information

Gene ID 599

Other Names
Bcl-2-like protein 2, Bcl2-L-2, Apoptosis regulator Bcl-W, BCL2L2, BCLW, KIAA0271

Target/Specificity
This Bcl antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-59 amino acids from human Bcl.

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
Bcl-w Antibody (BH3 Domain Specific) is for research use only and not for use in diagnostic or therapeutic procedures.

Bcl-w Antibody (BH3 Domain Specific) - Protein Information

Name BCL2L2

Synonyms BCLW, KIAA0271

Function Promotes cell survival. Blocks dexamethasone-induced apoptosis. Mediates survival of postmitotic Sertoli cells by suppressing death-promoting activity of BAX.

Cellular Location
Mitochondrion membrane; Peripheral membrane protein. Note=Loosely associated with the mitochondrial membrane in healthy cells. During apoptosis, tightly bound to the membrane

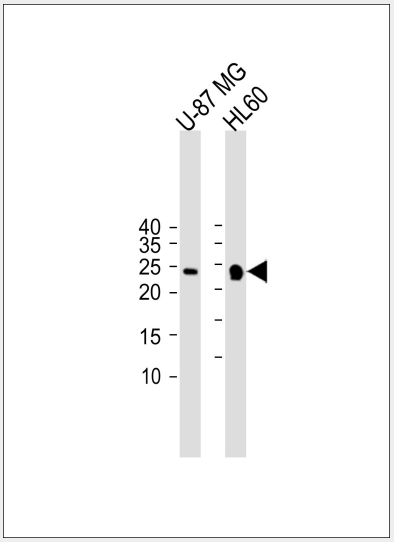
Tissue Location
Expressed (at protein level) in a wide range of tissues with highest levels in brain, spinal cord, testis, pancreas, heart, spleen and mammary glands. Moderate levels found in thymus, ovary and small intestine. Not detected in salivary gland, muscle or liver. Also expressed in cell lines of myeloid, fibroblast and epithelial origin. Not detected in most lymphoid cell lines

Bcl-w Antibody (BH3 Domain Specific) - Protocols

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

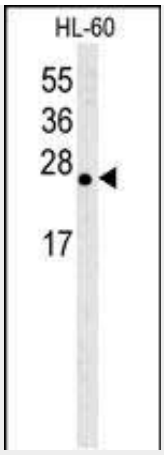
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Bcl-w Antibody (BH3 Domain Specific) - Images

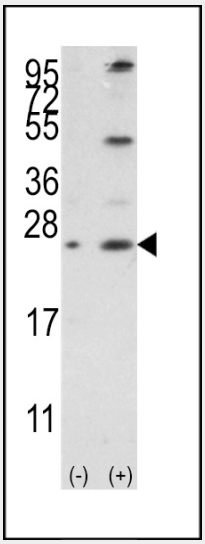


All lanes : Anti-Bcl-w Antibody (BH3 Domain Specific) at 1:1000 dilution Lane 1: U-87 MG whole cell lysate Lane 2: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 21kDa Blocking/Dilution buffer: 5% NFDM/TBST.

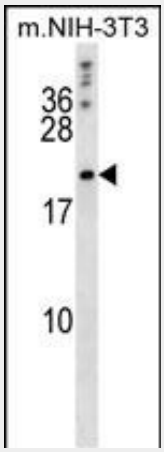
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Western blot analysis of anti-Bcl-w BH3 domain Pab (Cat. #AP1305a) in HL-60 cell lysate. Bcl-w BH3 domain (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

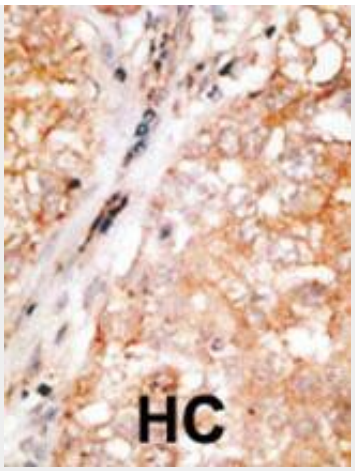


Western blot analysis of Bcl-w3 (arrow) using rabbit polyclonal Bcl-w BH3 Domain Antibody (Cat.#AP1305a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BCL2L2 gene (Lane 2) (Origene Technologies).

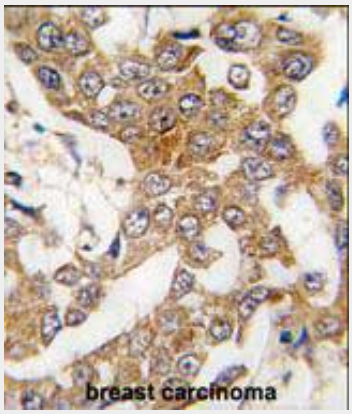


BCLW Antibody (BH3) (RB00972) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the BCLW antibody detected the BCLW protein (arrow).

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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.



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with Bcl-w BH3 Domain Antibody (Cat.#AP1305a), 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.

Bcl-w Antibody (BH3 Domain Specific) - Background

Bcl-w 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. Expression of this gene in cells has been shown to contribute to reduced cell apoptosis under cytotoxic conditions. Studies of the related gene in mice indicated a role in the survival of NGF- and BDNF-dependent neurons. Mutation and knockout studies of the mouse gene demonstrated an essential role in adult spermatogenesis.

Bcl-w Antibody (BH3 Domain Specific) - References

Denisov, A.Y., et al., J. Biol. Chem. 278(23):21124-21128 (2003).
Hinds, M.G., et al., EMBO J. 22(7):1497-1507 (2003).
Middleton, G., et al., Development 128(3):447-457 (2001).
Ross, A.J., et al., Nat. Genet. 18(3):251-256 (1998).
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