

**Bcl-w Antibody (BH3 Domain Specific)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1305a**

**Specification**

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

|                   |   |
|-------------------|---|
| Application       | <b>WB, IHC-P,E</b>                              |
| Primary Accession | <a href="#">O92843</a>                          |
| Other Accession   | <a href="#">P70345</a> , <a href="#">Q1RMX3</a> |
| Reactivity        | <b>Human, Mouse</b>                             |
| Predicted         | <b>Bovine</b>                                   |
| Host              | <b>Rabbit</b>                                   |
| Clonality         | <b>Polyclonal</b>                               |
| Isotype           | <b>Rabbit IgG</b>                               |
| Antigen Region    | <b>24-59</b>                                    |

**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

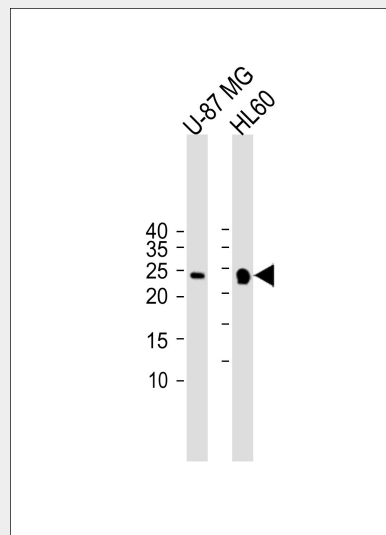
Expressed (at protein level) in a wide range of tissues with highest levels in brain, spinal cord, testis, pancreas, heart, spleen and mammary glands. Moderate levels found in thymus, ovary and small intestine. Not detected in salivary gland, muscle or liver. Also expressed in cell lines of myeloid,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

### Bcl-w Antibody (BH3 Domain Specific) - Protocols

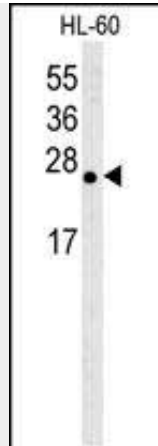
Provided below are standard protocols that you may find useful for product applications.

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

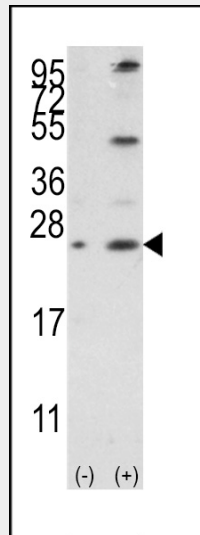
### Bcl-w Antibody (BH3 Domain Specific) - Images



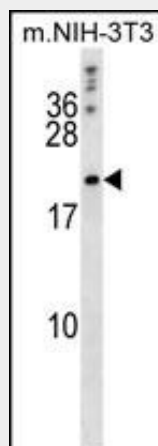
All lanes : Anti-Bcl-w Antibody (BH3 Domain Specific) at 1:1000 dilution Lane 1: U-87 MG whole cell lysate Lane 2: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 21kDa Blocking/Dilution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



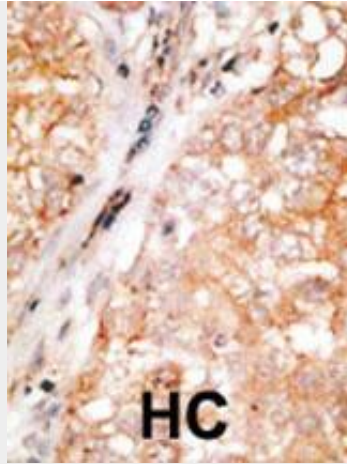
Western blot analysis of anti-Bcl-w BH3 domain Pab (Cat. #AP1305a) in HL-60 cell lysate. Bcl-w BH3 domain (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



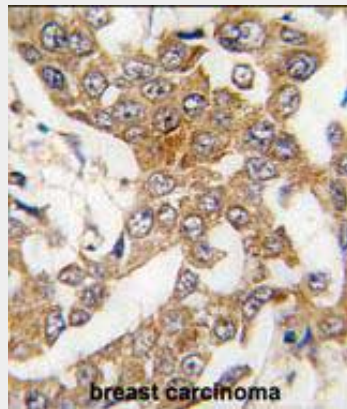
Western blot analysis of Bcl-w3 (arrow) using rabbit polyclonal Bcl-w BH3 Domain Antibody (Cat.#AP1305a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BCL2L2 gene (Lane 2) (Origene Technologies).



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).



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).
- Gibson, L., et al., Oncogene 13(4):665-675 (1996).