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**anti-Bcl-w**

Cat #: HM1027  
Goat polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

The Bcl-2 family of proteins is characterized by its ability to modulate cell death (apoptosis) under a broad range of physiological conditions. Using a PCR-based strategy, a family member with apoptosis-suppressing activity, designated Bcl-w, was identified. Bcl-w is expressed in myeloid cell lines and can in a wide range of tissues. Studies in mice indicated a role of Bcl-w in the survival of NGF- and BDNF-dependent neurons. Mutation and knockout studies of the mouse gene demonstrated an essential role in adult spermatogenesis.

**SPECIFICITY**

The antibody reacts with Bcl-w of mouse, rat and human origin by Western blotting and immunohistochemistry.

Recommended dilution for Western blotting: 1:1000.

**IMMUNOGEN**

Full-length recombinant human Bcl-w protein.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

1. Yang, E., Zha, J., Jockel, J., Boise, L.H., Thompson, C.B., and Korsmeyer, S.J. 1995. Bad, a heterodimeric partner for Bcl-xL and Bcl-2, displaces Bax and promotes cell death. *Cell* 80: 285-291.
2. Craig, R.W. 1995. The bcl-2 gene family. *Seminars in Cancer Biol.* 6: 35-43.
3. Gibson, L., Holmgreen, S.P., Huang, D.C.S., Bernard, O., Copeland, N.G., Jenkins, N.A., Sutherland, G.R., Baker, E., Adams, J.M., and Cory, S. 1996. *bcl-w*, a novel member of the Bcl-2 family, promotes cell survival. *Oncogene* 13: 665-675.
4. Ross, A.J., Waymire, K.G., Moss, J.E., Parlow, A.F., Skinner, M.K., Russell, L.D. and MacGregor, G.R. (1998) Testicular degeneration in Bclw-deficient mice. *Nat. Genet.* 18, 251-256.
5. Middleton, G., Wyatt, S., Ninkina, N. and Davies, A.M. (2001) Reciprocal developmental changes in the roles of Bcl-w and Bcl-x(L) in regulating sensory neuron survival. *Development* 128, 447-457.

6. Denisov, A.Y., Madiraju, M.S., Chen, G., Khadir, A., Beauparlant, P., Attardo, G., Shore, G.C. and Gehring, K. (2003) Solution structure of human BCL-w: modulation of ligand binding by the C-terminal helix. *J. Biol. Chem.* 278, 21124-21128.

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