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**anti-Bim**

Cat #: HM1034  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Bim belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. Bim has a BH3 (Bcl-2 homology) domain, which is required for interacting with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1. The expression of Bim can be induced by nerve growth factor (NGF), as well as by the forkhead transcription factor FKHR-L1, which suggests a role of Bim in neuronal and lymphocyte apoptosis. Transgenic studies of the mouse Bim suggested that Bim gene is an essential initiator of apoptosis in thymocyte-negative selection. Many alternatively spliced variants of Bim have been identified, including BimS, BimL and BimEL, each of which are capable of inducing apoptosis. The shortest form of Bim (BimS) seems to be the most potent.

**SPECIFICITY**

This antibody reacts with Bim (BimEL, BimL and BimS) of mouse, rat and human origin by Western blotting and immunohistochemistry.

Recommended dilution for Western blotting: 1:1000.

**IMMUNOGEN**

Full-length recombinant human BimEL protein.

**STORAGE**

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

**REFERENCE**

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3. Bouillet,P., Purton,J.F., Godfrey,D.I., Zhang,L.C., Coultas,L., Puthalakath,H., Pellegrini,M., Cory,S., Adams,J.M. and Strasser,A. *JOURNAL Nature* 415 (6874), 922-926 (2002) BH3-only Bcl-2 family member Bim is required for apoptosis of autoreactive thymocytes
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6. O'Connor,L., Strasser,A., O'Reilly,L.A., Hausmann,G., Adams,J.M., Cory,S. and Huang,D.C. (1998) Bim: a novel member of the Bcl-2 family that promotes apoptosis. *EMBO J.* 17, 384-395.

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