



E90295

Bim Polyclonal Antibody

- Catalog Number:** E90295
- Amount:** 100ul
- Background:** Bim/Bod is a pro-apoptotic protein belonging to the BH3-only group of Bcl-2 family members including Bad, Bid, Bik, Hrk and Noxa that contain a BH3 domain but lack other conserved BH1 or BH2 domains (1,2). Bim induces apoptosis by binding to and antagonizing anti-apoptotic members of the Bcl-2 family. Interactions have been observed with Bcl-2, Bcl-xL, Mcl-1, Bcl-w, Bfl-1 and BHRF-1 (1,2). Bim functions in regulating apoptosis associated with thymocyte negative selection and following growth factor withdrawal, during which Bim expression is elevated (3-6). Three major isoforms of Bim are generated by alternative splicing: BimEL, BimL and BimS (1). The shortest form, BimS, is the most cytotoxic and is generally only transiently expressed during apoptosis. The BimEL and BimL isoforms may be sequestered to the dynein motor complex through an interaction with the dynein light chain and released from this complex during apoptosis (7). Apoptotic activity of these longer isoforms may be regulated by phosphorylation (8,9). Environmental stress triggers Bim phosphorylation by JNK and results in its dissociation from the dynein complex and increased apoptotic activity.
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** BAM; BIM; BOD; BimL; BimS; BimEL; BIM-beta6; BIM-beta7; BIM-alpha6;BCL2L11;
- Immunogen:** Recombinant proteinof human Bim
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB
- Molecular Weight:** 22kDa
- Swiss-Prot No. :** O43521
- Gene ID:** 10018
- References:** 1. O'Connor, L. et al. (1998) EMBO J 17, 384-95. 2. Hsu, S.Y. et al. (1998) Mol Endocrinol 12, 1432-40. 3. Bouillet, P. et al. (2002) Nature 415, 922-6. 4. Whitfield, J. et al. (2001) Neuron 29, 629-43. 5. Dijkers, P.F. et al. (2000) Curr Biol 10, 1201-4. 6. Ley, R. et al. (2003) J Biol Chem 278, 18811-6. 7. Puthalakath, H. et al. (1999) Mol Cell 3, 287-96. 8. Lei, K. and Davis, R.J. (2003) Proc Natl Acad Sci U S A 100, 2432-7. 9. Putcha, G.V. et al. (2003) Neuron 38, 899-914.

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