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**anti-Bag-1**

Cat #: HM1025  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

The Bcl-2 family of proteins modulates cell death under a broad range of physiologic conditions. Bcl-2 and several related proteins function to inhibit apoptosis while other members of the Bcl-2 family such as Bax and Bak enhance cell death under various conditions. The oncogene Bcl-2 is a membrane protein that binds to BCL2 and enhances the anti-apoptotic effects of Bcl-2.

**SPECIFICITY**

This antibody reacts with Bag-1 of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry.

Recommended dilution for Western blotting: 1:1000. Molecular Weight of Bag-1: 36 kDa.

**IMMUNOGEN**

Full-length recombinant human Bag-1 protein.

**STORAGE**

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

**REFERENCE**

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2. Bardelli, A., Longati, P., Albero, D., Goruppi, S., Schneider, C., Ponzetto, C. and Comoglio, P.M. HGF receptor associates with the anti-apoptotic protein BAG-1 and prevents cell death. *EMBO J.* 15, 6205-6212.
3. Hung, W.J., Roberson, R.S., Taft, J. and Wu, D.Y. (2003) Human BAG-1 proteins bind to the cellular stress response protein GADD34 and interfere with GADD34 functions. *Mol. Cell. Biol.* 23, 3477-3486.
4. Xiong, J., Chen, J., Chernenko, G., Beck, J., Liu, H., Pater, A. and Tang, S.C. (2003) Antisense BAG-1 sensitizes HeLa cells to apoptosis by multiple pathways. *Biochem. Biophys. Res. Commun.* 312, 585-591
5. Townsend, P.A., Cutress, R.I., Carroll, C.J., Lawrence, K.M., Scarabelli, T.M., Packham, G., Stephanou, A. and Latchman, D.S. (2004) BAG-1 proteins protect cardiac myocytes from simulated ischemia/reperfusion-induced apoptosis via an alternate mechanism of cell survival independent of the proteasome. *J. Biol. Chem.* 279, 20723-20728.

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