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Anti-Bim (IN) *BOD*

CATALOG No.: PX048A SIZE: 100 µg
PX048B SIZE: 0.5 mg

BACKGROUND:

Members in the Bcl-2 family are critical regulators of apoptosis by either inhibiting or promoting cell death. Bcl-2 homology 3 (BH3) domain is a potent death domain. BH3 domain containing pro-apoptotic proteins, including Bad, Bax, Bid, Bik, and Hrk, form a growing subclass of the Bcl-2 family. A novel BH3 domain containing protein was recently identified and designated Bim or BOD in human, mouse and rat (1,2). Bim/BOD interacts with diverse members in the pro-survival Bcl-2 sub-family including Bcl-2, Bcl-x_L and Bcl-w. Bim/BOD induces apoptosis. The messenger RNA of Bim is ubiquitously expressed in multiple tissues and cell lines (1,2).

SOURCE:

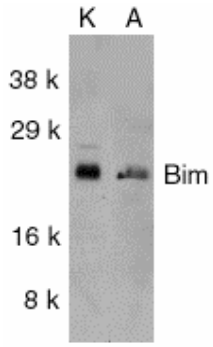
Rabbit anti-Bim (IN) polyclonal antibody was raised against a peptide corresponding to amino acids 22 to 40 of human origin (1). The sequence is identical to that of mouse and differs from that of rat by one amino acid.

APPLICATION:

This polyclonal antibody can be used for detection of Bim by Western blot at 1:1000 dilution. Human K562 cell lysate can be used as positive control and a 23 kDa band can be detected. This antibody is human, mouse, and rat reactive. This antibody is for research use only.

STORAGE:

It is supplied as immunoaffinity chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of Bim in K562 (K) and A549 (A) whole cell lysates with anti-Bim (IN) at 1:1000 dilution.

REFERENCES:

1. O'Connor,L., Strasser,A., O'Reilly,L.A., Hausmann,G., Adams,J.M., Cory,S. and Huang,D.C. Bim: a novel member of the Bcl-2 family that promotes apoptosis. *EMBO J.* 1998;17:384-395

2. Hsu, S.Y., Lin, P., and Hsueh, A.J. BOD (Bcl-2-related ovarian death gene) is an ovarian BH3 domain-containing proapoptotic Bcl-2 protein capable of dimerization with diverse antiapoptotic Bcl-2 members. *Mol Endocrinol* 1998;12:1432-40

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.

Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com