

Bim/BOD Polyclonal Antibody

CATALOG #: 3124-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 25 of human Bim (Internal ID# BV-C32)

SPECIES REACTIVITY: human, mouse, rat

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-Bim/BOD polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

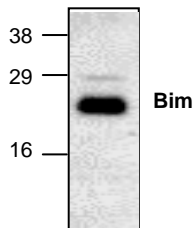
Members of the Bcl-2 family proteins all contain Bcl-2 homology domains including BH1, BH2, BH3, and BH4. The BH3 domain is known to be important for the cell killing activity of Bcl-2 members including Bad, Bax, Bid, Bik, and the recently identified BH3 domain containing protein designated Bim/BOD. Bim/BOD interacts with diverse members of the Bcl-2 sub-family including Bcl-2, Bcl-x, and Bcl-w, to induce apoptosis. There are three splice variants: BimL, BimS, and BimEL, all of which share homology in their C-terminal BH3 domains. Of the isoforms, BimS is the most potent inducer of apoptosis. The mRNA of Bim is ubiquitously expressed in multiple tissues and cell lines.

SPECIFICITY:

The antibody detects a 20 kDa Bim/BOD in samples from human, mouse and rat origins. Jurkat cell lysate can be used as a positive control. Blocking peptide (Cat.# 3124BP-50) is available separately.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been tested.



Cat.# 3124-100
Western blot analysis of Bim expression in Jurkat cell lysate.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies