

# Bid Polyclonal Antibody

<b>CATALOG #:</b>	3272-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 45 of mouse Bid (ID# BV-550).
<b>SPECIES REACTIVITY:</b>	Mouse

## FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-Bid 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:

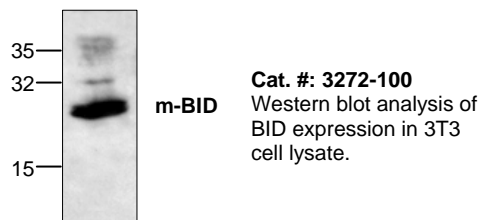
Bid, a BH3 domain-containing proapoptotic Bcl-2 family member, is localized in the cytosolic fraction of cells as an inactive precursor. Its active form is generated upon proteolytic cleavage by caspase-8 in the Fas signaling pathway. Cleaved Bid translocates to mitochondria and releases its potent proapoptotic activity, which in turn induces cytochrome c release and mitochondrial damage. The cytochrome c releasing activity of Bid was antagonized by Bcl-2. Mutation in the SH3 domain can diminish the cytochrome c releasing activity. In the animal model studies, Bid-deficient mice are found resistant to the lethal effects of death factor signals relayed through Fas.

## SPECIFICITY:

The antibody detects the full length (22 kDa) mouse Bid. Reactivity to other species has not been tested.

## APPLICATION AND USAGE:

The antibody can be used in Western blot analysis (0.5-5 µg/ml). Per researcher's feedback, it also works well in immunoprecipitation (20 µg/ml) and immunohistochemistry (20 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3272BP-50) is available separately.



## RELATED PRODUCTS:

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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

### Cell Fractionation System

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

### Cell Proliferation & Senescence

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

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- DNA Damage Quantification Kit
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- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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### Monoclonal and Polyclonal Antibodies