

## Bad Polyclonal Antibody

<b>CATALOG #:</b>	3030-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 115 of mouse Bad

### FORMULATION:

100 µg (0.5 mg/ml) antigen affinity purified rabbit anti-Bad polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**SPECIES REACTIVITY:** Human, Mouse, Monkey, Rat

### STORAGE CONDITIONS:

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

### DESCRIPTION:

The Bcl-2 (B-cell leukemia/lymphoma 2) family proteins function to either inhibit (Bcl-2 and Bcl-X<sub>L</sub>) or promote (Bax and Bad) apoptosis. Similar to other family member, Bad also exhibits sequence homology to Bcl-2. Bad can selectively dimerize with Bcl-x<sub>L</sub> and Bcl-2, but not with Bax, Bcl-x<sub>s</sub>, Mcl-1, or itself. In mammalian cells, Bad binds more strongly to Bcl-x<sub>L</sub> than Bcl-2. This may explain why Bad reverse the death repressor activity of Bcl-x<sub>L</sub>, but not that of Bcl-2

### SPECIFICITY:

The antibody detects the 22 kDa Bad protein and it does not cross-react with related family members.

### APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (1-2 µg/ml), immunoprecipitation (4-8 µg/ml), and immunohistochemistry (20-40 µg/ml). However, the optimal conditions should be determined individually.

**FOR RESEARCH USE ONLY! Not to be used in human subjects.**

### RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- 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

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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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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
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- 5 Minutes DNA Ligation Kit
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