

Phospho-Bad (Ser112) Polyclonal Antibody

CATALOG #: 3269-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

FORMULATION:

100 µg (0.2 mg/ml) peptide affinity purified rabbit anti-Phospho-Bad (Ser112) polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

SPECIES REACTIVITY: human, mouse, rat

STORAGE CONDITIONS:

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

DESCRIPTION:

Bad is a member of the Bcl-2 family protein that selectively dimerize with Bcl-x_L and Bcl-2 resulting in cell death. Survival factors such as IL-3 can inhibit the apoptotic activity of Bad by activating intracellular signaling pathways that result in the phosphorylation of Bad at Ser112 and Ser 136. Phosphorylation at these sites results in the binding of Bad to 14-3-3 proteins and the inhibition of Bad binding to Bcl-x_L and Bcl-2. Recently, Akt has also been shown to promote cell survival via its ability to phosphorylate Bad at Ser136.

SPECIFICITY: The antibody detects 23 kDa Bad only when phosphorylated at Ser112.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (1-2 µg/ml) and immunoprecipitation (5-20 µg/ml). However, the optimal conditions should be determined individually.

FOR RESEARCH USE ONLY! Not to be used in humans!

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

- Mitochondria/Cytosol Fractionation Kit
- 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
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- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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