Bad Polyclonal Antibody

CATALOG #: 3030-100

AMOUNT: 100 µg

LOT #: __________________

HOST: Rabbit

IMMUNOGEN: 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/defrost cycles.

DESCRIPTION: The Bcl-2 (B-cell leukemia/lymphoma 2) family proteins function to either inhibit (Bcl-2 and Bcl-XL) 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-XL and Bcl-2, but not with Bax, Bcl-xL, Mcl-1, or itself. In mammalian cells, Bad binds more strongly to Bcl-xL than Bcl-2. This may explain why Bad reverse the death repressor activity of Bcl-xL, 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.