

# Bax Polyclonal Antibody

**CATALOG #:** 3032-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide corresponding to amino acids near the N-terminus of human Bax (ID# BV-126).

## FORMULATION:

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

**SPECIES REACTIVITY:** human, mouse, rat, monkey

## STORAGE CONDITIONS:

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

## DESCRIPTION:

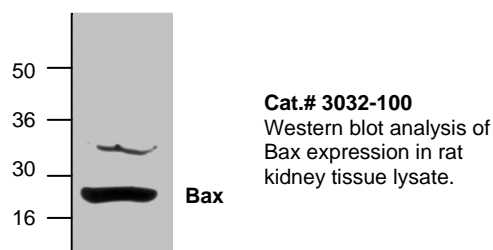
The Bcl-2 (B-cell leukemia/lymphoma 2) family proteins function to either inhibit (Bcl-2 and Bcl-X<sub>L</sub>) or promote (Bax and Bak) apoptosis. Bax contains the conserved Bcl-2 homology 1 (BH1) and 2 (BH2) domains that allow for its homodimerization or heterodimerization with Bcl-2. When Bcl-2 is in excess, apoptosis is inhibited. However, if Bax levels increase in response to a death signal, the cell is pushed toward death.

## SPECIFICITY:

The antibody detects a 20 kDa protein, corresponding to the apparent molecular weight of Bax on SDS-PAGE immunoblots. Rat kidney tissue lysate can be used as a positive control.

## APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). Based on researchers feedback, it can also be used in immunoprecipitation (10-20 µg/ml). However, the optimal conditions should be determined individually.



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