

Product Data Sheet

Purified anti-Bax

Catalog # / Size: 633801 / 25 µg
633802 / 100 µg

Clone: 6A7

Isotype: Mouse IgG1, κ

Immunogen: Amino acid:12-24 common to human, mouse, and rat Bax protein

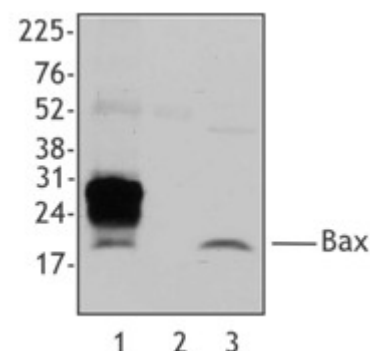
Reactivity: Human, Mouse, Rat, Monkey

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store undiluted at at 4°C.



Extracts from Hela cell lysate was immunoprecipitated with clone 6A7 (lane 1), 4 µg purified monoclonal antibody without cell lysate (clone 6A7, lane 2), or Hela cell lysate without immunoprecipitation (lane 3) were resolved by electrophoresis, transferred to nitrocellulose, and probed with anti-Bax antibody, poly6251.

Applications:

Applications: IP

Recommended Usage: This antibody can be used at 2-4 µg /1 x10⁷ cell equivalents for immunoprecipitation. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Hsu YT, *et al.* 1997. *J. Biol. Chem.* 272:13829.

Description: Bax is a 21 kD pro-apoptotic protein known to regulate apoptosis. Bax is found in the cytoplasm, mitochondria, and nucleus and is highly expressed in hematopoietic stem cells, the ovary, and in the lymph node. Bax binds the anti-apoptotic protein Bcl-2 as a heterodimer or forms homodimers. The relative levels of pro-apoptotic proteins such as Bax and anti-apoptotic proteins such as Bcl-2 determines whether cell death will occur following an apoptotic stimulus. Bax accelerates the opening of mitochondrial VDAC altering membrane potential and allowing cytochrome c to pass out of the mitochondria into the cytosol to initiate downstream caspase activation. p53 can transcriptionally activate the Bax gene to induce apoptosis. Bax has been shown to be mutated in some human cancers. Clone 2D2 has been shown to be useful for western blotting, immunoprecipitation, immunofluorescence and immunohistochemistry of the human Bax protein. This antibody does not cross-react with Bcl-2 or Bcl-X_L proteins.

Antigen References: 1. LeBlanc H, *et al.* 2002. *Nat. Med.* 8:274.
2. Marzo I, *et al.* 1998. *Science* 281:2027.
3. Miyashita T *et al.* 1995. *Cell* 80:293.
4. Oltvai ZN, *et al.* 1993. *Cell* 74:609.

Related Products:

Product
AKP Goat anti-mouse IgG (minimal x-reactivity)
HRP Goat anti-mouse IgG (minimal x-reactivity)

Clone
Poly4053
Poly4053

Application
ELISA, WB, IHC
ELISA, IHC, WB



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