

Product Data Sheet

Purified anti-Bax

Catalog # / Size: 625101 / 50 µl (5 Western Blots)
625102 / 200 µl (20 Western Blots)

Clone: Poly6251

Isotype: Rabbit IgG

Immunogen: Peptide-KLH, N-terminal

Reactivity: Mouse, Rat, Human

Preparation: This antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin.

Storage: The antibody solution should be stored undiluted at 4°C. DO NOT FREEZE.

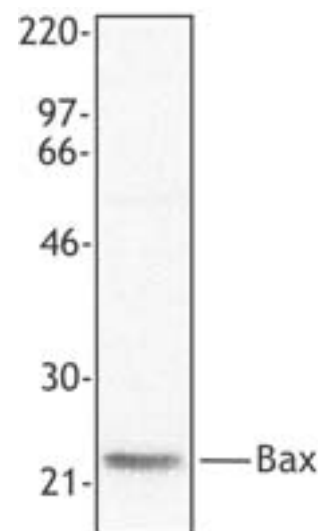
Applications:

Applications: WB - Quality tested
IP, IHC - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. You WK, *et al.* 2003. *J Biochem (Tokyo)* 134:739.
2. Kim J, *et al.* 2004. *Ann. N. Y. Acad. Sci.* 1030:95.
3. Ma D, *et al.* 2005. *Ann. Neurol.* 58:182.
4. Arduini A, *et al.* 2011. *Am J Physiol Gastrointest Liver Physiol.* 301:119. PubMed.
5. Hayashida K, *et al.* 2013. *Exp Mol Pathol.* 94:228. PubMed.



Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-Bax polyclonal antibody. Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system.

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. The Poly6251 antibody has been reported to be useful for Western blotting, immunoprecipitation, and immunohistochemistry of human, mouse, and rat Bax protein.

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
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
Poly4064

Application
ELISA, IHC, WB



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