

BAX

Rabbit Anti-Mouse Bcl2-associated X protein Clone Poly6251 pAb

Catalog No.	CSI14440 CSI14441	Quantity:	50 µl 200 µl
Alternate Names:	BCL2 associated X protein, apoptosis regulator Bax		
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.		
Structure:	Forms homodimers and heterodimers with Bcl-2, approximately 21 kD.		
Gene ID:	12028		
Distribution:	Cytoplasm, mitochondria, nucleus. Expressed in hematopoietic stem cells, ovary, lymph node.		
Function:	Induces cell death through the process of apoptosis by acting on mitochondria.		
Host:	Rabbit		
Immunogen:	Mouse, Rat, Human		
Isotype:	IgG		
Clone:	Poly6251		
Interaction:	14-3-3 theta, VDAC1, Bcl-2, solute carrier family 25, mitochondrial carrier member 4.		
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	s antibody was purified by affinity chromatography.		
Reactivity:	Mouse, Rat, Human		

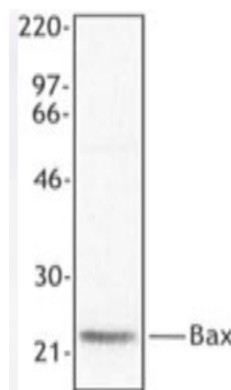


Applications: W, IP, IHC

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.

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

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.



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