

**Bax (phospho Thr167) rabbit pAb****Cat#: orb769821 (Manual)**

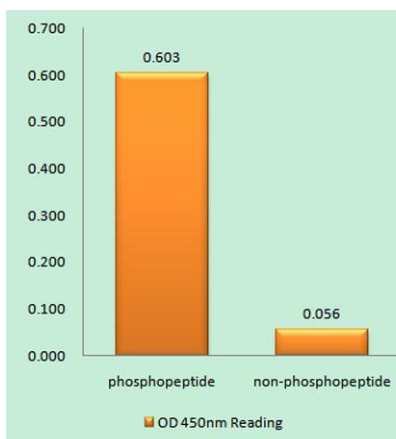
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<b>Product Name</b>	Bax (phospho Thr167) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Bax around the phosphorylation site of Thr167. AA range:133-182
<b>Specificity</b>	Phospho-Bax (T167) Polyclonal Antibody detects endogenous levels of Bax protein only when phosphorylated at T167.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Apoptosis regulator BAX
<b>Gene Name</b>	BAX
<b>Cellular localization</b>	[Isoform Alpha]: Mitochondrion outer membrane ; Single-pass membrane protein . Cytoplasm . Colocalizes with 14-3-3 proteins in the cytoplasm. Under stress conditions, undergoes a conformation change that causes release from JNK-phosphorylated 14-3-3 prote
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

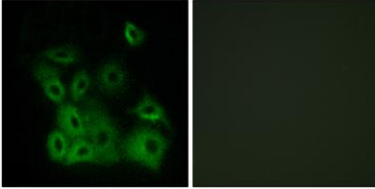
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	581
<b>Human Swiss-Prot Number</b>	Q07812
<b>Alternative Names</b>	BAX; BCL2L4; Apoptosis regulator BAX; Bcl-2-like protein 4; Bcl2-L-4

**Background**

The protein encoded by BAX (BCL2 associated X, apoptosis regulator) belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for BAX.



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Bax (Phospho-Thr167) Antibody**



**Immunofluorescence analysis of A549 cells, using Bax (Phospho-Thr167) Antibody. The picture on the right is blocked with the phospho peptide.**