

Bax rabbit pAb

Cat No.: ES6947

For research use only

Overview

Product Name Bax rabbit pAb

Host species Rabbit

Applications IHC;IF;WB;ELISA

Species Cross-Reactivity Human; Mouse; Rat; Chicken

Recommended dilutions Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300

ELISA: 1/20000. IF 1:100-300 Not yet tested in other

applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human BAX. AA range:80-129

Specificity Bax Polyclonal Antibody detects endogenous levels

of Bax protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Apoptosis regulator BAX

Gene Name BAX

Cellular localization [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

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 22kD
Human Gene ID 581
Human Swiss-Prot Number Q07812

Alternative Names

Background The protein encoded by BAX (BCL2 associated X,

apoptosis regulator) belongs to the BCL2 protein

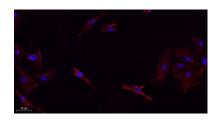


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family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This 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.



Immunofluorescence analysis of A549. 1,primary
Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat
Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary
antibody was diluted at 1:1000(room temperature,
50min).3, Picture B: DAPI(blue) 10min.

