

BAX polyclonal antibody

Catalog: BS61098

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The Bax protein belongs to a growing family of related Bcl-2 proteins which regulate apoptosis by controlling the permeability of the mitochondrial membrane to the apoptogenic protein cytochrome c. Cytochrome c, in turn, activates the proteolytic proteins known as caspases. The Bcl-2 protein family members play both pro-apoptotic and anti-apoptotic roles, and all possess at least one of four conserved motifs known as "Bcl-2 homology domains" (BH1 to BH4). These domains play key roles as binding sites which allow these proteins to form homodimers or heterodimers, thus regulating the apoptotic activity of these proteins. Bax is a cytosolic protein that plays a pro-apoptotic role by binding to the permeability transition pore complex (PTPC) and by binding Bcl-2, a protein which plays an anti-apoptotic role. The ratio between Bax/Bcl-2 heterodimers and Bax/Bax homodimers appears to be pivotal in determining the lifespan of a cell. Bax exhibits numerous splice variants, including α , β , δ , γ and κ . Bax- β is a 218 amino acid protein. Intron 5 of Bax-beta RNA consists of 630 bp and does not undergo splicing, which accounts for the apparent size increase.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 18 kDa

Swiss-Prot:

Q07815

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

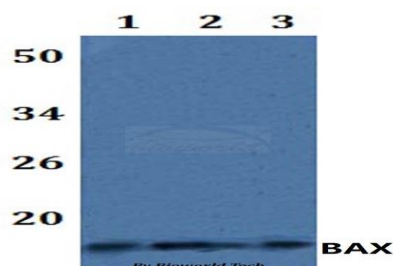
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

BAX polyclonal antibody detects endogenous levels of BAX protein.

DATA:



Western blot (WB) analysis of BAX polyclonal antibody at 1:500 dilution Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate

Lane4:HELA whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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