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## 39-2026: Polyclonal Antibody to Anti-Bax Antibody(Discontinued)

**Clonality:** Polyclonal

Application: WB
Reactivity: Human
Gene: BAX
Gene ID: 581
Uniprot ID: Q07812

Alternative Name: Apoptosis regulator BAX; Bcl-2-like protein 4; Bcl2-L-4; BAX; BCL2L4

**Isotype:** Rabbit IgG

Immunogen Information: A synthetic peptide corresponding to a sequence at the N-terminus of human Bax(68-81aa

DELDSNMELQRMIA), different form the related rat and mouse sequences by one amino acid.

## **Description**

Apoptosis regulator BAX, also known as bcl-2-like protein 4, is a protein that in humans is encoded by the BAX gene. The protein encoded by this gene 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. Additionally, 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 this gene.

## **Product Info**

**Amount:** 100 μg/vial

**Purification:** Immunogen affinity purified.

Content: Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Reconstitute: Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Storage condition:

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## **Application Note**

Western blot: 0.1-0.5µg/ml

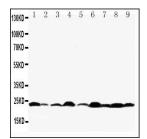


Figure 1: Anti-Bax antibody(39-2026). Western blotting: Lane 1: Rat Testis Tissue Lysate, Lane 2: Rat Kidney Tissue Lysate, Lane 3: Rat Brain Tissue Lysate, Lane 4: Rat Ovary Tissue Lysate, Lane 5: HELA Cell Lysate, Lane 6: MM231 Cell Lysate, Lane 7: A549 Cell Lysate, Lane 8: JURKAT Cell Lysate, Lane 9: Human Placenta Tissue Lysate.