

Product datasheet for **TA306176**

BAX Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IF, WB |
| Recommended Dilution: | WB: 1 - 4 ug/mL, ICC: 2 ug/mL, IF: 2 ug/mL |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Bax antibody was raised against a peptide corresponding to 16 amino acids near the amino-terminus of human Bax. |
| Formulation: | PBS containing 0.02% sodium azide. |
| Concentration: | 1ug/ul |
| Purification: | Ion exchange chromatography purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | BCL2 associated X protein |
| Database Link: | AAA03619 Entrez Gene 581 Human Q07812 |



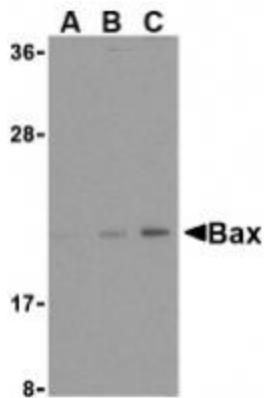
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Background:

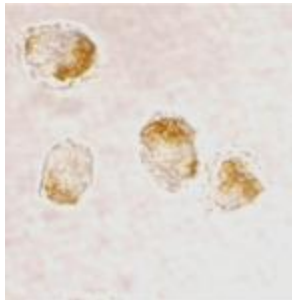
Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer (reviewed in 1). The Bcl-2 family of proteins is comprised of critical regulators of apoptosis that can be divided into two classes: those that inhibit apoptosis and those that promote cell death (reviewed in 2 and 3). Bax, a pro-apoptotic Bcl-2 family member, is a cytosolic protein that changes conformation and translocates to the mitochondria following apoptotic stimuli (4,5). It is thought to share significant functional homology with Bak, another pro-apoptotic Bcl-2 family member, as disruption of bax or bak has little effect on cell death, but mice lacking both genes display multiple developmental defects and cells lacking both show decreased apoptotic capability (6,7).

Synonyms:

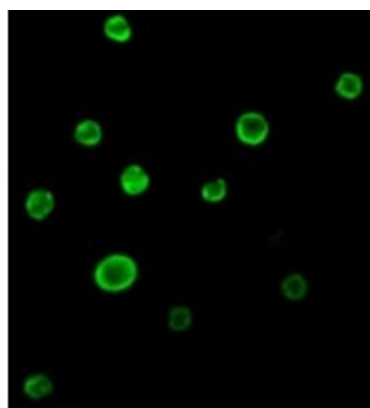
BCL2L4

Product images:

Western blot analysis of Bax in HL-60 cell lysates with Bax antibody at (A) 1, (B) 2, and (C) 4 ug/mL.



Immunocytochemistry staining of HL-60 cells using Bax at 2 ug/mL.



Immunofluorescence of Bax in HL60 cells with Bax antibody at 2 ug/mL.