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## Bax Mouse pAb

Catalog Number: bs-0127M

Target Protein: Bax

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted:Pig, Sheep, Cow, Dog)

Predicted MW: 21 kDa

Entrez Gene: 581

Swiss Prot: Q07812

Source: KLH conjugated synthetic peptide derived from human Bax: 84-175/192.

Purification: affinity purified by Protein A

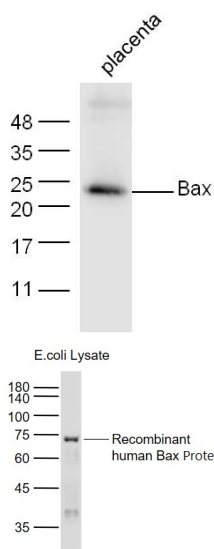
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** 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. 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. [provided by RefSeq, Jul 2008].

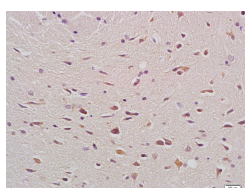
## VALIDATION IMAGES

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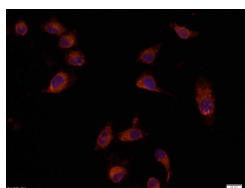


Sample: Placenta(Mouse)lysates, 30ug; Primary: Anti-Bax (bs-0127M) at 1:300; Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution Predicted band size : 21 kD Observed band size : 23 kD

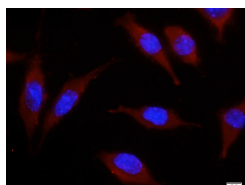
Sample: Lane 1: Recombinant human Bax Protein (full length) Overexpression E.coli Lysate (Cat#: bs-41243P) at 2 ug Primary: Anti-Bax (bs-0127M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 70 kD Observed band size: 73 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Bax Polyclonal Antibody, Unconjugated(bs-0127M) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0024) and DAB(C-0010) staining



Tissue/cell: HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Bax) polyclonal Antibody, Unconjugated (bs-0127M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG-CY3 antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Tissue/cell: SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Bax) polyclonal Antibody, Unconjugated (bs-0127M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG-CY3 antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=15.8] Yanan Wang. et al. Self-Sulfhydrated, Nitro-Fixed Albumin Nanoparticles as a Potent Therapeutic Agent for the Treatment of Acute Liver Injury. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ; Mouse . 39041805

[IF=9.5] Zheng Meng. et al. Targeted ablation of the left middle cervical ganglion prevents ventricular arrhythmias and cardiac injury induced by AMI. BASIC RES CARDIOL. 2023 Dec;:1-18 WB ; Dog . 38151579

[IF=8.2] Yun-shan Wei. et al. Regulation of the colon-targeted release rate of lactoferrin by constructing hydrophobic ethyl cellulose/pectin composite nanofibrous carrier and its effect on anti-colon cancer activity. INT J BIOL MACROMOL. 2024 Mar;261:129466 WB ; Human . 38242414

[IF=7.419] Abulaiti Abulizi. et al. Quince extract resists atherosclerosis in rats by down-regulating the EGFR/PI3K/Akt/GSK-3 $\beta$  pathway. BIOMED PHARMACOTHER. 2023 Apr;160:114330 WB ; Rat . 36746094

[IF=7.086] Quan-Kuo He. et al. Captan exposure disrupts ovarian homeostasis and affects oocytes quality via mitochondrial dysfunction

induced apoptosis. Chemosphere. 2022 Jan;286:131625 WB ; MOUSE . 34303901