

bsm-33283M**[Primary Antibody]****Bioss**
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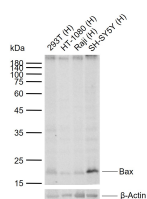
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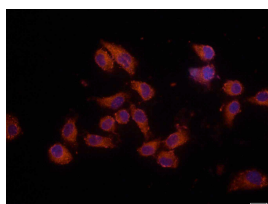
400-901-9800

Bax Mouse mAb**— DATASHEET —**

Host: Mouse Clonality: Monoclonal GeneID: 581 Target: Bax Immunogen: KLH conjugated synthetic peptide derived from human Bax: 31-130/192. Purification: affinity purified by Protein G Concentration: 1mg/ml Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS 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].	Isotype: IgG1 CloneNo.: 3C1 SWISS: Q07812 Applications: WB (1:500-2000) ICC/IF (1:50-200) Reactivity: Human (predicted: Mouse, Rat) Predicted MW.: 21 kDa Observed MW.: 20 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Lane 1: Human 293T cell lysates Lane 2: Human HT-1080 cell lysates Lane 3: Human Raji cell lysates Lane 4: Human SH-SY5Y cell lysates
Primary: Anti-Bax (bsm-33283M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 21 kDa Observed band size: 20 kDa



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) monoclonal Antibody, Unconjugated (bsm-33283M) 1:100, 90 minutes at 37°C; followed by a CY3 conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=16.806]** Min Qian. et al. Molybdenum Diphosphide Nanorods with Laser-Potentiated Peroxidase Catalytic/Mild-Photothermal Therapy of Oral Cancer. 2021 Oct 31 IHC ;Mouse. 34719890
- **[IF=13.2]** Xue Bai. et al. Human milk exosomal miR-148a-3p targets Casp9 to activate HIF-1 mediated apoptosis and

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regulate gut-lung axis hypoxic injury: A new insight into innovative infant formula improvement. CHEM ENG J. 2025 Nov;524:169283 WB ;Rat. 10.1016/j.cej.2025.169283

- **[IF=11.357]** Sinuo Tian. et al. Widening the Lens on Prothioconazole and Its Metabolite Prothioconazole-Desthio: Aryl Hydrocarbon Receptor-Mediated Reproductive Disorders through in Vivo, in Vitro, and in Silico Studies. ENVIRON SCI TECHNOL. 2022;XXX(XXX):XXX-XXX WB ;Human. 36332113
- **[IF=8.2]** Miao Ding. et al. Structural characterization of the polysaccharide from the black crystal region of Inonotus obliquus and its effect on AsPC-1 and SW1990 pancreatic cancer cell apoptosis. INT J BIOL MACROMOL. 2024 Apr;;131891 WB ;Human. 38677687
- **[IF=6.796]** Hongyan Yu. et al. TBBPA rather than its main derivatives enhanced growth of endometrial cancer via p53 ubiquitination. J ENVIRON SCI-CHINA. 2024 Mar;137:82 WB ;Human. 10.1016/j.jes.2022.12.030