

**bsm-52316R****[ Primary Antibody ]**

www.bioss.com.cn

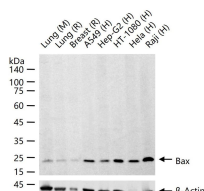
sales@bioss.com.cn

techsupport@bioss.com.cn

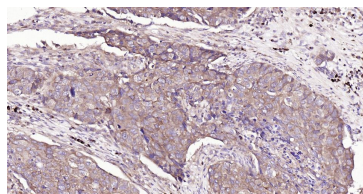
400-901-9800

**Bax Recombinant Rabbit mAb****— DATASHEET —**

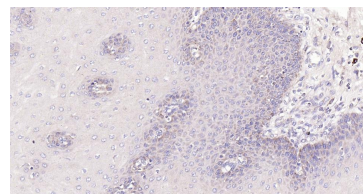
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000) <b>IHC-P</b> (1:50-200) <b>IHC-F</b> (1:50-200) <b>IF</b> (1:50-200)  <b>Reactivity:</b> Human, Mouse, Rat  <b>Predicted MW.:</b> 21 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Recombinant	<b>CloneNo.:</b> 3C3	
<b>GeneID:</b> 581	<b>SWISS:</b> Q07812	
<b>Target:</b> Bax		
<b>Immunogen:</b> A synthesized peptide derived from human BAX: 5-40.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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 —**

25 ug total protein per lane of various lysates (see on figure) probed with Bax monoclonal antibody, unconjugated (bsm-52316R) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Esophagus Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Bax Monoclonal Antibody, Unconjugated(bsm-52316R) at 1:300 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Esophagus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Bax Monoclonal Antibody, Unconjugated(bsm-52316R) at 1:300 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.

**— SELECTED CITATIONS —**

- **[IF=5.6]** Qifeng Shi. et al. PLC-CN-NFAT1 signaling-mediated Aβ and IL-1β crosstalk synergistically promotes hippocampal neuronal damage. INT IMMUNOPHARMACOL. 2024 Jun;134:112259 WB ;Mouse. 38749336
- **[IF=5.722]** Wang, Sanchun. et al. Pseudoginsengonin DQ exerts antitumour activity against hypopharyngeal cancer cells by targeting the HIF-1α-GLUT1 pathway. Cancer Cell Int. 2021 Dec;21(1):1-12 WB ;Human. 34281558
- **[IF=5.572]** Miao Song. et al. Mitophagy alleviates AIF-mediated spleen apoptosis induced by ALC13 through Parkin stabilization in mice. FOOD CHEM TOXICOL. 2023 Jun;176:113762 WB ;Mouse. 37028746

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=5.895]** Yu-Sheng Shi. et al. Pteris laeta Wall. and Its New Phytochemical, Pterosinsade A, Promote Hippocampal Neurogenesis via Activating the Wnt Signaling Pathway. J AGR FOOD CHEM. 2023;XXXX(XXX):XXX-XXX WB ;Mouse. 36892329
- **[IF=4.5]** Gan Rao. et al. Arsenic and polystyrene-nano plastics co-exposure induced testicular toxicity: Triggers oxidative stress and promotes apoptosis and inflammation in mice. ENVIRON TOXICOL. 2023 Sep;; WB ;Mouse. 37705229