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

Bax Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 3C3
GeneID: 581
SWISS: Q07812
Target: Bax
Immunogen: A synthesized peptide derived from human BAX: 5-40.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
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].

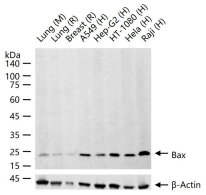
Applications: **WB** (1:1000-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat

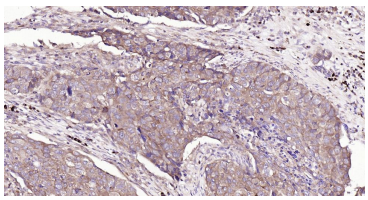
Predicted MW.: 21 kDa

Subcellular Location: Cell membrane ,Cytoplasm

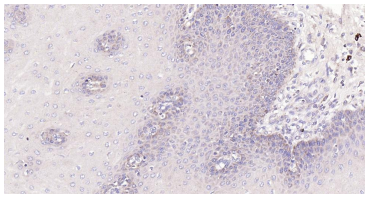
VALIDATION IMAGES



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.



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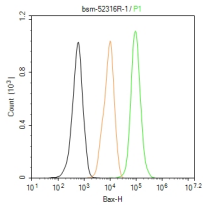

The Hela (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.),

followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-Bax antibody (bsm-52316R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=17.1]** Lei Liu. et al. Myricetin Oligomer Triggers Multi-Receptor Mediated Penetration and Autophagic Restoration of Blood-Brain Barrier for Ischemic Stroke Treatment. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 38533773
- **[IF=5.6]** Lijie Gao. et al. A novel amino-pyrimidine inhibitor suppresses tumor growth via microtubule destabilization and Bmi-1 down-regulation. BIOCHEM PHARMACOL. 2025 Mar;233:116783 WB ;Human. 39880315
- **[IF=5.722]** Wang, Sanchun. et al. Pseudoginsengenin 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 AlCl3 through Parkin stabilization in mice. FOOD CHEM TOXICOL. 2023 Jun;176:113762 WB ;Mouse. 37028746
- **[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