bsm-52304R **[Primary Antibody]**

Bcl-2 Recombinant Rabbit mAb

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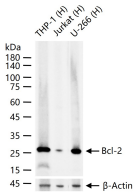
DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 5F7
GeneID: 596
SWISS: P10415
Target: Bcl-2
Immunogen: A synthesized peptide derived from human Bcl 2: 48-81.
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 Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18)-bearing follicular B cell lymphomas(1,2).Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal (3,5).Bcl-2 appears to function in several subcellular locations yet lacks any known motifs that would confer insight into its mechanism of action (6,7).A more recently identified protein,designated Bax p21(i.e., Bcl-associated X protein),has extensive amino acid homology with Bcl-2 and both homodimerizes and forms heterodimers with Bcl-2(8). Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line and Bax also counters the death repressor activty of Bcl-2(8).

Applications: **WB** (1:500-2000)
Reactivity: Human
Predicted MW.: 26 kDa
Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Bcl-2 monoclonal antibody, unconjugated (bsm-52304R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

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=7]** Zhang Zhichun. et al. A novel SLC25A1 inhibitor, parthenolide, suppresses the growth and stemness of liver cancer stem cells with metabolic vulnerability. CELL DEATH DISCOV. 2023 Sep;9(1):1-12 WB ;Human. 37741815
- **[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=5.895]** 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 ;Murine.

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- **[IF=5.3]** Caixia Tan. et al.Mcl-1 downregulation enhances BCG treatment efficacy in bladder cancer by promoting macrophage polarization.Cancer Cell International.2025 Feb 15;25(1):48. ;. 39955585