

bs-33411R**[Primary Antibody]****Bcl-2 Rabbit pAb****Bioss**
ANTIBODIES

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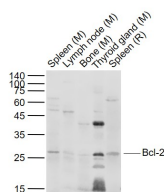
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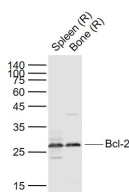
400-901-9800

DATASHEET

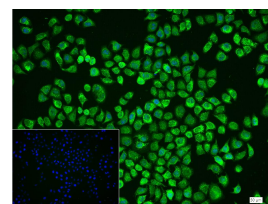
Host: Rabbit Clonality: Polyclonal GeneID: 596 Target: Bcl-2 Immunogen: KLH conjugated synthetic peptide derived from human Bcl-2 : 51-150/239. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C. 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 activity of Bcl-2(8).	Isotype: IgG SWISS: P10415	Applications: WB (1:500-2000) ICC/IF (1:50-200) Reactivity: Human, Mouse, Rat Predicted MW.: 26 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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VALIDATION IMAGES

Sample: Lane 1: Spleen (Mouse) Lysate at 40 ug
 Lane 2: Lymph node (Mouse) Lysate at 40 ug
 Lane 3: Bone (Mouse) Lysate at 40 ug Lane 4:
 Thyroid gland (Mouse) Lysate at 40 ug Lane 5:
 Spleen (Rat) Lysate at 40 ug Primary: Anti- Bcl-2
 (bs-33411R) at 1/1000 dilution Secondary:
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000
 dilution Predicted band size: 26 kD Observed
 band size: 26 kD



Sample: Lane 1: Spleen (Rat) Lysate at 40 ug
 Lane 2: Bone (Rat) Lysate at 40 ug Primary: Anti-
 Bcl-2 (bs-33411R) at 1/1000 dilution Secondary:
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000
 dilution Predicted band size: 26 kD Observed
 band size: 26 kD



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Bcl-2) polyclonal Antibody, unconjugated (bs-33411R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

SELECTED CITATIONS

- **[IF=5.572]** Jiayuan Luo. et al. Effects of saponins isolated from Polygonatum sibiricum on H2O2-induced oxidative damage in RIN-m5F cells and its protective effect on pancreas. FOOD CHEM TOXICOL. 2023 May;175:113724 WB,FCM ;Rat. 36935075

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

- **[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=4.175]** Junmin Li. et al. Circ_ZFR contributes to the paclitaxel resistance and progression of non-small cell lung cancer by upregulating KPNA4 through sponging miR-195-5p. *Cancer Cell Int.* 2021 Dec;21(1):1-15 WB ;Human. 33407505
- **[IF=4.36]** Hanyue Ying. et al. CircATL2 enhances paclitaxel resistance of ovarian cancer via impacting miR-506-3p/NFIB axis. 2021 Sep 19 WB ;human. 34541682
- **[IF=1.73]** Chao Wang. et al. Inhibition of monoacylglycerol lipase restrains proliferation, migration, invasion, tumor growth and induces apoptosis in cervical cancer. 2021 Dec 07 WB ;Human. 34877750