bs-0032R

[Primary Antibody]

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Bcl-2 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 596 **SWISS:** P10415

Target: Bcl-2

Immunogen: KLH conjugated synthetic peptide derived from human Bcl-2:

101-160/236.

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

counters the death repressor activty of Bcl-2(8).

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

Applications: WB (1:1000-5000)

IHC-P (1:200-500) IHC-F (1:200-500) IF (1:200-500) ELISA (1:5000-10000)

Reactivity: Human, Mouse, Rat

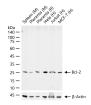
(predicted: Chicken)

Predicted MW: 26 kDa

Subcellular Cell membrane ,Cytoplasm

Location: , Nucleus

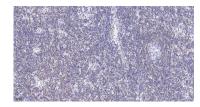
VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Bcl-2 polyclonal antibody, unconjugated (bs-0032R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Bcl-2 Polyclonal Antibody, Unconjugated (bs-0032R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Lymph; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Bcl-2 Polyclonal Antibody, Unconjugated (bs-0032R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

- SELECTED CITATIONS -

- [IF=18.027] Shikai Liu. et al. On-Demand Generation of Peroxynitrite from an Integrated Two-Dimensional System for Enhanced Tumor Therapy. ACS NANO. 2022;XXXX(XXX):XXX-XXX WB; Human. 35666853
- [IF=16.6] Liu Chunxiao. et al. Targeting P2Y14R protects against necroptosis of intestinal epithelial cells through PKA/CREB/RIPK1 axis in ulcerative colitis. NAT COMMUN. 2024 Mar;15(1):1-16 WB; MOUSE. 38453952
- [IF=14.7] Chunxiao Liu. et al. Targeting P2Y14R protects against necroptosis of intestinal epithelial cells through PKA/CREB/RIPK1 axis in ulcerative colitis.nature communications.2024 Mar 7;15(1):2083. Western blot; Mouse.

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- [IF=14.593] Guo-Bin Ding. et al. Molecularly engineered tumor acidity-responsive plant toxin gelonin for safe and efficient cancer therapy. Bioact Mater. 2022 Feb;: IHC; Mouse. 10.1016/j.bioactmat.2022.02.001
- [IF=14.3] Huitong Luo. et al. Nanocomposite hydrogel orchestrating multiple modulation of degenerative microenvironment for potential application in intervertebral disc regeneration. J MATER SCI TECHNOL. 2025 Feb;: WB,IP; Human. 10.1016/j.jmst.2024.12.042