
Bcl-2 Rabbit pAb

Catalog Number: bs-34012R

Target Protein: Bcl-2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-300), IF (1:200-1000), ICC/IF (1:100-500), ELISA (1:10000)

Reactivity: Human, Mouse, Rat

Predicted MW: 26 kDa

Subcellular Cell membrane ,Cytoplasm ,Nucleus

Locations:

Entrez Gene: 596

Swiss Prot: P10415

Source: KLH conjugated synthetic peptide derived from human Bcl-2 : 21-120/236.

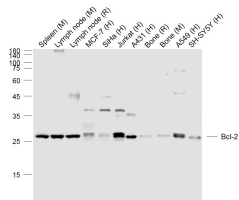
Purification: affinity purified by Protein A

Storage: Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Proclin300.

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 activity of Bcl-2(8).

VALIDATION IMAGES



Sample: Lane 1: Spleen (Mouse) Lysate at 40 ug Lane 2: Lymph node (Mouse) Lysate at 40 ug Lane 3: Lymph node (Rat) Lysate at 40 ug Lane 4: MCF-7 (Human) Cell Lysate at 30 ug Lane 5: SiHa (Human) Cell Lysate at 30 ug Lane 6: Jurkat (Human) Cell Lysate at 30 ug Lane 7: A431 (Human) Cell Lysate at 30 ug Lane 8: Bone (Rat) Lysate at 40 ug Lane 9: Bone (Mouse) Lysate at 40 ug Lane 10: A549 (Human) Cell Lysate at 30 ug Lane 11: SH-SY5Y (Human) Cell Lysate at 30 ug Primary: Anti-Bcl-2 (bs-34012R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 26 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.5] Yu Zhou. et al. Human amniotic mesenchymal stromal cell-derived exosomes promote neuronal function by inhibiting excessive apoptosis in a hypoxia/ischemia-induced cerebral palsy model: A preclinical study. BIOMED PHARMACOTHER. 2024 Apr;173:116321 WB ; Rat . 38394849

[IF=6.7] Jian Shi. et al. Mechanistic elucidation of QiJu-DiHuang Wan in management of age-related dry eye through metabolomics and network pharmacology. PHYTOMEDICINE. 2024 Sep;132:155884 WB ; Rat . 39053245

[IF=6.196] Cheng He. et al. Crosstalk of renal cell carcinoma cells and tumor-associated macrophages aggravates tumor progression by modulating muscleblind-like protein 2/B-cell lymphoma 2/beclin 1-mediated autophagy. CYTOTHERAPY. 2022 Oct;; WB ; Human . 36244911

[IF=4.36] Pengcheng Zhou. et al. Tiao-bu-fei-shen formula promotes downregulation of the caveolin 1-p38 mapk signaling pathway in COPD - Associated tracheobronchomalacia cell model. J ETHNOPHARMACOL. J Ethnopharmacol. 2022 Apr;;115256 WB ; Rat . 35367574

[IF=3.269] Leiming Sun. et al. Isoliquiritigenin attenuates acute renal injury through suppressing oxidative stress, fibrosis and JAK2/STAT3 pathway in streptozotocin-induced diabetic rats. Bioengineered. 2021;12(2):11188-11200 WB ; Rat . 34784849