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## Phospho-Bcl-2 (Ser70) Rabbit pAb

Catalog Number: bs-3052R

Target Protein: Phospho-Bcl-2 (Ser70)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/test)

Reactivity: Human (predicted:Mouse, Rat, Rabbit, Dog)

Predicted MW: 26 kDa

Subcellular: Cell membrane ,Cytoplasm ,Nucleus

Locations:

Source: KLH conjugated Synthesised phosphopeptide derived from rat Bcl-2 around the phosphorylation site of Ser70: RT(p-S)PL.

Purification: affinity purified by Protein A

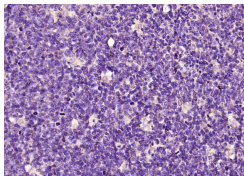
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

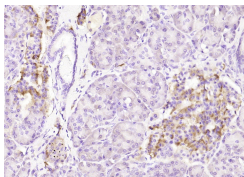
**Background:** The Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18)-bearing follicular B cell lymphomas(1,2).Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal (3,5).Bcl-2 appears 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 activity of Bcl-2(8).

### VALIDATION IMAGES

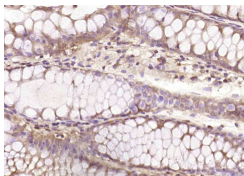
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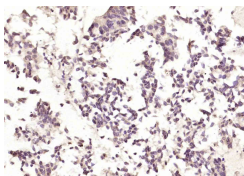
Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-Bcl-2 (Ser70)) Polyclonal Antibody, Unconjugated (bs-3052R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



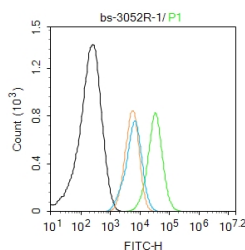
Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-Bcl-2 (Ser70)) Polyclonal Antibody, Unconjugated (bs-3052R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



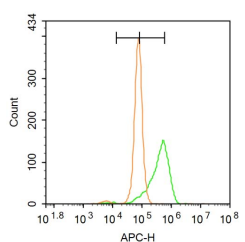
Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-Bcl-2 (Ser70)) Polyclonal Antibody, Unconjugated (bs-3052R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-Bcl-2 (Ser70)) Polyclonal Antibody, Unconjugated (bs-3052R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control:HL-60. Primary Antibody (green line): Rabbit Anti-Phospho-Bcl-2 (Ser70) antibody (bs-3052R) Dilution: 1 $\mu$ g /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1 $\mu$ g /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1%PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control:A431. Primary Antibody (green line): Rabbit Anti-Phospho-Bcl-2 (Ser70) antibody (bs-3052R) Dilution: 3 $\mu$ g /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 3 $\mu$ g /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=5.47] Yan, Jia-Qing, et al. "Overexpression of Human E46K Mutant  $\alpha$ -Synuclein Impairs Macroautophagy via Inactivation of JNK1-Bcl-2 Pathway." *Molecular Neurobiology* (2014): 1-17. WB ; ="Rat" . 24833599

[IF=3.375] Shuyu Fang. et al. All-trans-retinoic acid inhibits the malignant behaviors of hepatocarcinoma cells by regulating autophagy. *Am J Transl Res*. 2020; 12(10): 6793–6810 IF ; Mouse, Human . 33194073