

AP26416AF-L**Polyclonal Antibody to Bcl-2 pThr56 - Azide Free****Alternate names:**

Apoptosis regulator Bcl-2, B-Cell CLL/lymphoma 2, BCL2, Bcl-2 alpha

Quantity:

0.5 mg

Background:

Bcl-2 is a 25kD inner mitochondrial membrane protein with anti-apoptotic function. It is believed that Bcl-2 suppresses apoptosis by inhibiting mitochondrial cytochrome C release, blocking caspase cascade and regulating mitochondrial calcium homeostasis. Bcl-2 is identified from the study of B-cell lymphoma. About 90% of follicular lymphoma is caused by Bcl-2 overexpression resulted from the translocation of Bcl-2 gene from chromosome 18 to the immunoglobulin heavy chain enhancer on chromosome 14. Bcl-2 is also involved with other malignancies such as melanoma, breast cancer, prostate cancer and lung cancer. Bcl-2 Thr56 phosphorylation by p38 MAPK results in cytochrome C release. Mutation near Thr56 aborted Bcl-2 antiapoptotic function.

Uniprot ID:[P10415](#)**NCBI:**[NP_000624.2](#)**GeneID:**[596](#)**Host:**

Rabbit

Immunogen:

A synthetic peptide derived from human Bcl-2, conjugated with KLH for immunization
AA Sequence:
SQPGHTpPHPASR

Format:

State: Lyophilized Ig fraction
Purification: Protein G affinity
Buffer System: 0.01M PBS, pH 7.4
Reconstitution: Restore with water to adjust the final concentration to 1.00 mg/ml.

Applications:

ELISA: Reacts with synthetic peptide (SQPGHTpPHPASR) coated plate.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts with Human and other species with consensus Bcl-2 sequence SQPGHTpPHPASR.

Storage:

Store lyophilized at 2-8°C for 6 month or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.