



## ANOGEN - A Division of YES Biotech Laboratories Ltd.

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### Rabbit Anti-Phospho Bcl-2 (Thr56) Polyclonal Antibody Datasheet

Product Name: pAb Rabbit anti-Phospho-Bcl-2 (Thr56)		Catalogue No.: AI70003B	Quantity: 0.5mg/vial
<b>Description:</b>	Rabbit anti-Threonine 56 phosphorylated Bcl-2 polyclonal antibody	<b>Background:</b>	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 over-expression 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 anti-apoptotic function.
<b>Purification:</b>	Protein G affinity purified		
<b>Product Type:</b>	Primary antibody		
<b>Target Protein:</b>	Threonine 56 phosphorylated Bcl-2		
<b>Immunogen:</b>	A synthetic peptide (SQPGHT <sub>p</sub> PHPASR) derived from human Bcl-2, conjugated with KLH for immunization		
<b>Specificity:</b>	This antibody is reactive to the above synthetic peptide derived from human Bcl2.		
<b>Species Reactivity:</b>	Human and other species with consensus Bcl-2 sequence (SQPGHT <sub>p</sub> PHPASR)		
<b>Host</b>	Rabbit		
<b>Formulation:</b>	Lyophilized in pH 7.4, 0.01M PBS	<b>Applications:</b>	ELISA: React with synthetic peptide (SQPGHT <sub>p</sub> PHPASR) coated plate.  Other applications have not been evaluated.
<b>Reconstitution:</b>	Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.		
<b>Storage:</b>	Store at -20°C	<b>References:</b>	If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
<b>Research Area:</b>	Life science research, apoptotic signalling pathway		

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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