

For Research Use Only

# Phospho-BCL2 (Ser70) Recombinant antibody

Catalog Number: 80771-2-RR

1 Publications



## Basic Information

<b>Catalog Number:</b> 80771-2-RR	<b>GenBank Accession Number:</b> BC027258	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 596	<b>CloneNo.:</b> 230061A8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P10415	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> B-cell CLL/lymphoma 2	
	<b>Calculated MW:</b> 26 kDa	
	<b>Observed MW:</b> 26 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, FC (Intra), ELISA	<b>Positive Controls:</b>  <b>WB :</b> Jurkat cells, paclitaxel treated Jurkat cells, Calyculin A treated Jurkat cells <b>IHC :</b> human tonsillitis tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

BCL2 belongs to the Bcl-2 family. The anti-apoptotic protein BCL2 can bind to the pro-apoptotic protein BAX or BAK1 to form heterodimers that modulate apoptosis. BCL2 phosphorylation at Ser70 enhances binding to BAX and BAD and is essential for its anti-apoptotic activity. Conversely, BCL2 also regulates autophagy via interaction with BECN1/Beclin 1; moreover, BCL2 phosphorylation including at Ser70 leads to its dissociation from BECN1 and induction of autophagy. These findings suggest that BCL2 regulates the balance between apoptosis and autophagy. (PMID: 29433359)

## Notable Publications

Author	Pubmed ID	Journal	Application
Fang Yun	39353904	Cell Death Dis	WB

## Storage

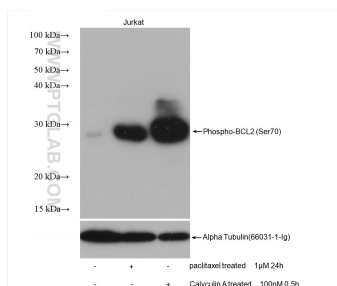
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

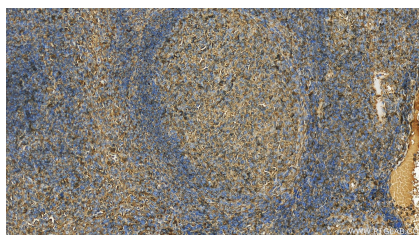
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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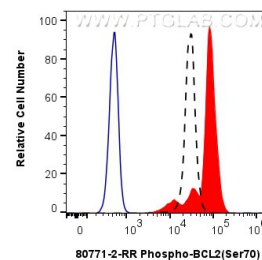
## Selected Validation Data



Non-treated Jurkat cells, paclitaxel treated and Calyculin A treated Jurkat cells were subjected to SDS PAGE followed by western blot with 80771-2-RR (Phospho-BCL2 (Ser70) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin antibody as loading control.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 80771-2-RR (Phospho-BCL2 (Ser70) antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10<sup>6</sup> Jurkat cells untreated (dashed lines) or treated with Staurosporine which intracellularly stained with 0.06 ug Phospho-BCL2 (Ser70) Recombinant antibody (80771-2-RR, Clone:230061A8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.06 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.