

For Research Use Only

# BCL2 Recombinant antibody

Catalog Number: 80313-1-RR **2 Publications**



## Basic Information

<b>Catalog Number:</b> 80313-1-RR	<b>GenBank Accession Number:</b> BC027258	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 596	<b>CloneNo.:</b> 305
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P10415	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:2500-1:10000 IF-P: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> B-cell CLL/lymphoma 2	
<b>Immunogen Catalog Number:</b> AG3508	<b>Calculated MW:</b> 26 kDa <b>Observed MW:</b> 26 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b> <b>WB :</b> Jurkat cells, Raji cells, THP-1 cells, HL-60 cells, U-937 cells <b>IHC :</b> human tonsillitis tissue, <b>IF-P :</b> human tonsillitis tissue, human appendicitis tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<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. It suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. BCL2 regulates cell death by controlling the mitochondrial membrane permeability (PMID: 10365962). It appears to function in a feedback loop system with caspases. BCL2 inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1) (PMID: 10444588).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xian-Jia Li	40012358	J Med Chem	WB
Xieyi Guo	39810230	Chin Med	WB

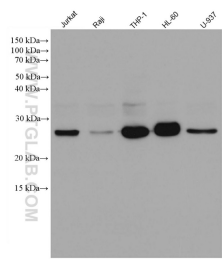
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

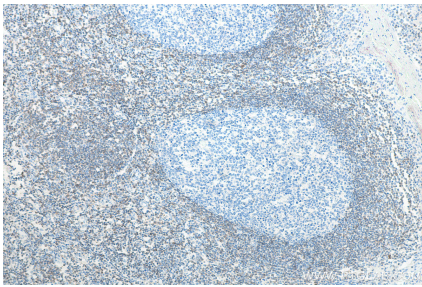
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

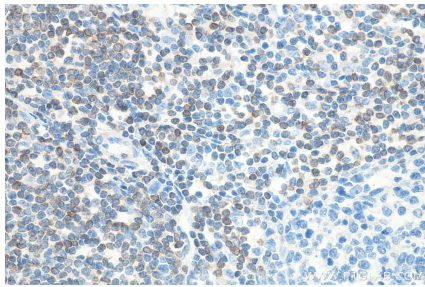
Selected Validation Data



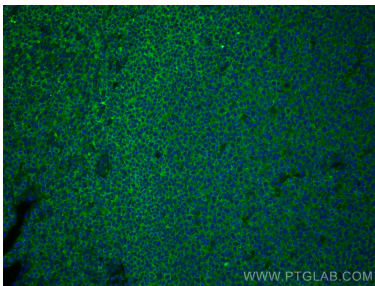
Various lysates were subjected to SDS PAGE followed by western blot with 80313-1-RR (BCL2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



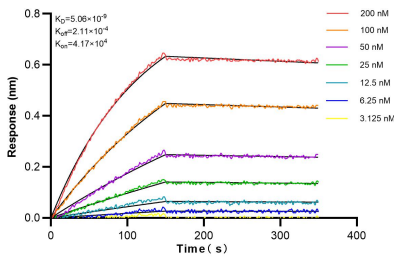
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 80313-1-RR (BCL2 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 80313-1-RR (BCL2 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using BCL2 antibody (80313-1-RR, Clone: 305) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 80313-1-RR against Human BCL2 were performed. The affinity constant is 5.06 nM.