

For Research Use Only

Phospho-BCL2 (Ser70) Recombinant antibody

Catalog Number: 80771-2-RR

1 Publications



Basic Information

Catalog Number:

80771-2-RR

Size:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC027258

GeneID (NCBI):

596

UNIPROT ID:

P10415

Full Name:

B-cell CLL/lymphoma 2

Calculated MW:

26 kDa

Observed MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

230061A8

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, paclitaxel treated Jurkat cells, Calyculin A treated Jurkat cells

IHC : human tonsillitis tissue,

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

For technical support and original validation data for this product please contact:

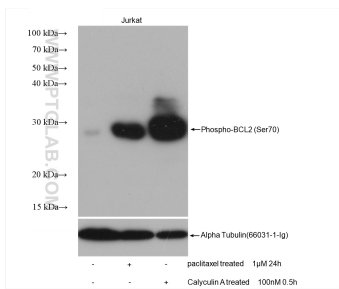
T: 4006900926

E: Proteintech-CN@ptglab.com

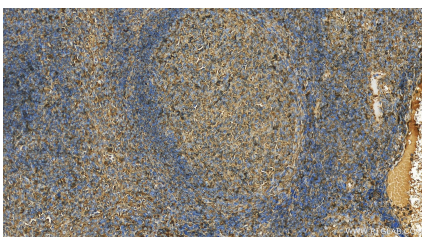
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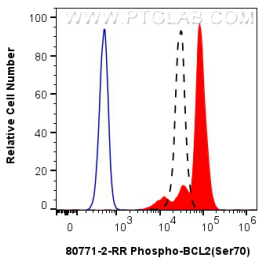
Selected Validation Data



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).



1x10⁶ Jurkat cells untreated (dashed lines) or treated with Staurosporine which intracellularly stained with 0.06 μ g 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 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.