**Bcl2 Monoclonal antibody**

**Catalog Number:** 66799-1-Ig

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### Basic Information

Catalog Number: 66799-1-Ig

**Size:** 150μl, Concentration: 1387 μg/ml by Bradford method using BSA as the standard.

**Source:** Mouse

**Isotype:** IgG1

**Immunogen Catalog Number:** AG24261

- **GenBank Accession Number:** NM-009741
- **GeneID (NCBI):** 12043
- **Full Name:** B-cell leukemia/lymphoma 2
- **Calculated MW:** 26 kDa
- **Observed MW:** 26 kDa

**Purification Method:** Protein G purification

CloneNo.: 1B5B9

Recommended Dilutions:
- **WB:** 1:500-1:2000
- **IF:** 1:200-1:800

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### Applications

**Tested Applications:** IF, WB, ELISA

**Cited Applications:** IP, WB

**Species Specificity:** mouse

**Cited Species:** human, mouse

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### Background Information

Bcl2 is a member of the B cell lymphoma 2 protein family. Members of this family regulate cell death in multiple cell types and can have either proapoptotic or antiapoptotic activities. The protein encoded by this gene inhibits mitochondrial-mediated apoptosis. This protein is an integral outer mitochondrial membrane protein that functions as part of signaling pathway that controls mitochondrial permeability in response to apoptotic stimuli. This protein may also play a role in neuron cell survival and autophagy. Abnormal expression and chromosomal translocations of this gene are associated with cancer progression in numerous tissues.

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### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
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<th>Journal</th>
<th>Application</th>
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<tbody>
<tr>
<td>Chen Chen</td>
<td>30412827</td>
<td>Redox Biol</td>
<td></td>
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<tr>
<td>Xiaohua Lei</td>
<td>32400797</td>
<td>Food Funct</td>
<td>WB</td>
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<tr>
<td>Ran Zhang</td>
<td>33979163</td>
<td>J Nat Prod</td>
<td>WB</td>
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### 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**

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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: proteintechn@ptglab.com

W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 66799-1-Ig (Bcl2 antibody) at dilution of 1:1400 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Bcl2 antibody (66799-1-Ig, Clone: 1B5B9) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).