

Datasheet for ABIN1703733

**anti-Bcl-2 antibody (pThr69) (Cy5)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                   |
| Target:              | Bcl-2 (BCL2)                                                                                                                                             |
| Binding Specificity: | pThr69                                                                                                                                                   |
| Reactivity:          | Human, Mouse, Rat                                                                                                                                        |
| Host:                | Rabbit                                                                                                                                                   |
| Clonality:           | Polyclonal                                                                                                                                               |
| Conjugate:           | This Bcl-2 antibody is conjugated to Cy5                                                                                                                 |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)),<br>Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic phosphopeptide derived from human Bcl-2 around the phosphorylation site of Thr69 |
| Isotype:          | IgG                                                                                                       |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                         |
| Purification:     | Purified by Protein A.                                                                                    |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | Bcl-2 (BCL2)                           |
| Alternative Name: | Bcl2 ( <a href="#">BCL2 Products</a> ) |

## Target Details

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|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: Bcl2 Thr69, Bcl2 T69, Bcl2 phospho T69, p-Bcl2 phospho T69, Apoptosis regulator Bcl 2, Apoptosis regulator Bcl2, AW986256, B cell CLL/lymphoma 2, B cell leukemia/lymphoma 2, B cell lymphoma 2, Bcl 2, Bcl-2, Bcl2, BCL2 protein, C430015F12Rik, D630044D05Rik, D830018M01Rik, Leukemia/lymphoma, B-cell, 2, Oncogene B-cell leukemia 2, BCL2_HUMAN, Apoptosis regulator Bcl-2.</p> <p>Background: BCL2 is an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Two transcript variants (alpha and beta) produced by alternate splicing, differ in their C-terminal ends. BCL2 suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. It regulates cell death by controlling the mitochondrial membrane permeability. 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 (APAF1). It can form homodimers, and heterodimers with BAX, BAD, BAK and BclX(L). Heterodimerization with BAX requires intact BH1 and BH2 domains, and is necessary for anti-apoptotic activity. Also interacts with APAF1, RAF1, TP53BP2, BBC3, BCL2L1 and BNIP1.</p> |
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| Gene ID:  | 596                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pathways: | <a href="#">MAPK Signaling</a> , <a href="#">PI3K-Akt Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a> |

## Application Details

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
|--------------------|------------------------------------------------------------------------------|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                |                                                                                              |
|----------------|----------------------------------------------------------------------------------------------|
| Format:        | Liquid                                                                                       |
| Concentration: | 1 µg/µL                                                                                      |
| Buffer:        | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and |

## Handling

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50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months