

Datasheet for ABIN135029

anti-Bcl-2 antibody (AA 61-76)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Bcl-2 (BCL2)
Binding Specificity:	AA 61-76
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Bcl-2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Murine Bcl-2 peptide (a.a. 61-76)
Clone:	10C4
Isotype:	IgG1
Specificity:	Mouse/Rat Bcl-2
Characteristics:	Mouse Anti-Bcl-2-UNLB
Purification:	Purified

Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	Bcl-2 (BCL2 Products)

Target Details

Background: Apoptosis, or programmed cell death, is a well-documented phenomenon in many cellular systems. It plays a key role in tissue and organ development as well as in adult tissues during cell turnover. Apoptosis can be induced by a variety of internal and external stimuli including growth factor deprivation, cytokine treatment, antigen-receptor engagement, cell-cell interactions, irradiation and glucocorticoid treatment. Bcl-2 is a widely studied protein that has been shown to be a potent inhibitor of programmed cell death. It has been localized to the outer mitochondrial membrane, perinuclear membrane, and endoplasmic reticulum. Bcl-2 is expressed in memory and resting, or other long-lived lymphoid cells, follicular mantle cells, medullary thymocytes, and lymphomas. Germinal center cells and cortical thymocytes are negative for Bcl-2. Upregulation of Bcl-2 prevents or delays apoptosis induced by a variety of stimuli, including growth factor deprivation, -irradiation, glucocorticoids, and chemotherapeutic agents. During lymphoid development, expression of the Bcl-2 protein appears to be regulated in a stage-specific manner, and is thought to be a survival signal for positive selection.

Pathways: [MAPK Signaling](#), [PI3K-Akt Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Regulation of Muscle Cell Differentiation](#), [Cell-Cell Junction Organization](#), [Skeletal Muscle Fiber Development](#), [Autophagy](#), [Smooth Muscle Cell Migration](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes:

- **Applications:** WB - Quality tested , IP - Reported in literature , FC - Reported in literature , IHC-FS - Reported in literature , IHC-PS - Reported in literature , ICC - Reported in literature
- **Working Dilutions:** Immunoblotting Purified (UNLB) antibody ≤ 2 g/mL

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

Concentration: 0.1 mg/mL

Buffer: 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

Preservative: Without preservative

Handling Advice: Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: 4 °C

Storage Comment: Store at 2-8°C