

Datasheet for ABIN3042814  
**anti-Bcl-2 antibody (AA 1-211)**

1 Image

137 Publications

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Bcl-2 (BCL2)
Binding Specificity:	AA 1-211
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Apoptosis regulator Bcl-2(BCL2) detection. Tested with WB, ELISA in Human.
Immunogen:	E. coli-derived human BCL-2 recombinant protein(Position: M1-D211).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Apoptosis regulator Bcl-2(BCL2) detection. Tested with WB, ELISA in Human.</p> <p>Gene Name: B-cell CLL/lymphoma 2</p> <p>Protein Name: Apoptosis regulator Bcl-2</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	BCL2 ( <a href="#">BCL2 Products</a> )
Background:	<p>Immunoreactive BCL2 protein in the neoplastic cells of almost all follicular lymphomas whereas no BCL2 protein was detected in follicles affected by nonneoplastic processes or in normal lymphoid tissue. Every tumor with molecular-genetic evidence of t(14,18) translocation expressed detectable levels of BCL2 protein, regardless of whether the breakpoint was located in or at a distance from the BCL2 gene. Overexpression of BCL2 blocks the apoptotic death of a pro-B-lymphocyte cell line.</p> <p>Synonyms: Apoptosis regulator Bcl2 antibody B cell CLL antibody B cell lymphoma 2 antibody B cell lymphoma protein 2 alpha isoform antibody B cell lymphoma protein 2 antibody B-cell CLL/lymphoma 2 antibody B-cell leukemia/lymphoma 2 antibody Bcl 2 antibody bcl2a antibody Leukemia /lymphoma, B-cell, 2 antibody Oncogene B cell leukemia 2 antibody Oncogene B-cell leukemia 2 antibody</p>
UniProt:	<a href="#">P10415</a>
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:	WB: Concentration: 0.1-0.5 µg/mL, Species: Human ELISA: Concentration: 0.1-0.5 µg/mL, Species: Human  Notes: Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

## Handling

Buffer:	Each vial contains 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

## Publications

Product cited in:	<p>Yao, Zhao, Ou, Liang, Lin, Wang: "MicroRNA-214 Suppresses Osteogenic Differentiation of Human Periodontal Ligament Stem Cells by Targeting ATF4." in: <b>Stem cells international</b>, Vol. 2017, pp. 3028647, (2017) (<a href="#">PubMed</a>).</p> <p>Wang, Wang, Dai, Chen, Yang, Dai, Ou, Wang, Lin: "Effects of Intermittent Administration of Parathyroid Hormone (1-34) on Bone Differentiation in Stromal Precursor Antigen-1 Positive Human Periodontal Ligament Stem Cells." in: <b>Stem cells international</b>, Vol. 2016, pp. 4027542, (2016) (<a href="#">PubMed</a>).</p> <p>Li, Chen, Peng, Zhou, Fang: "Pulsed electromagnetic fields protect the balance between adipogenesis and osteogenesis on steroid-induced osteonecrosis of femoral head at the pre-collapse stage in rats." in: <b>Bioelectromagnetics</b>, Vol. 35, Issue 3, pp. 170-80, (2014) (<a href="#">PubMed</a>).</p> <p>Song, Yu, Zhao, Wei, Liu, Hu, Zhao, Yang, Wu: "The time-dependent manner of sinusoidal electromagnetic fields on rat bone marrow mesenchymal stem cells proliferation, differentiation, and mineralization." in: <b>Cell biochemistry and biophysics</b>, Vol. 69, Issue 1, pp. 47-54, (2014) (<a href="#">PubMed</a>).</p> <p>Mu, Lv, Wang, Ma, Ma, Liu, Yu, Mu: "Mechanical stress stimulates the osteo/odontoblastic differentiation of human stem cells from apical papilla via erk 1/2 and JNK MAPK pathways." in: <b>BioMed research international</b>, Vol. 2014, pp. 494378, (2014) (<a href="#">PubMed</a>).</p>
-------------------	---

There are more publications referencing this product on: [Product page](#)

## Images

**Western Blotting**

**Image 1.** Western blot analysis of BCL-2 using anti- BCL-2 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane : Recombinant Human Bcl-2 Protein 0.5ng, After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- BCL-2 antigen affinity purified polyclonal antibody (Catalog # ) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for BCL-2 at approximately 26KD. The expected band size for BCL-2 is at 26KD.