

Datasheet for ABIN499429

anti-Bcl-2 antibody (Intermediate Domain)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mg
Target:	Bcl-2 (BCL2)
Binding Specificity:	Intermediate Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Bcl-2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Murine Bcl-2 (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	Bcl-2 antibody was raised against a peptide corresponding to 14 amino acids near the middle of human Bcl-2.
Purification:	Ion exchange chromatography

Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	Bcl-2 (BCL2 Products)
Background:	Apoptosis plays a major role in normal organism development, tissue homeostasis, and

Target Details

removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer (reviewed in 1). Bcl-2 is the founding member of a family of over 20 proteins that are critical regulators of apoptosis (reviewed in 2 and 3). These can be divided into two classes: those that inhibit apoptosis and those that promote cell death. Bcl-2 is an inner mitochondrial membrane protein that inhibits apoptosis (4). It is thought to act by interacting with pro-apoptotic Bcl-2 family members such as Bak and Bad (5 for review). Overexpression of Bcl-2 has been linked to human cancers such as B-cell lymphoma and prostate cancer (4,6).Synonyms: Apoptosis regulator Bcl-2, B-Cell CLL/lymphoma 2, BCL2, Bcl-2 alpha

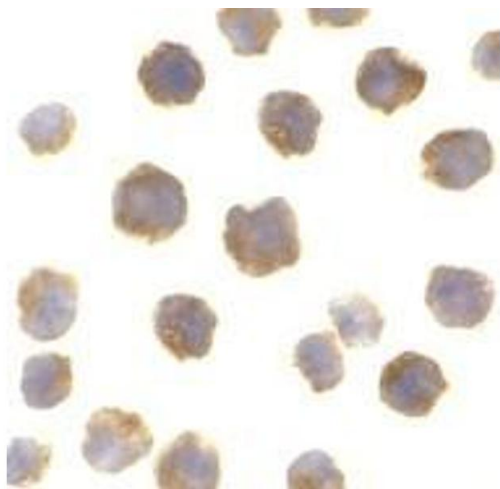
Gene ID:	596
UniProt:	P10415
Pathways:	MAPK Signaling , PI3K-Akt Signaling , Apoptosis , Caspase Cascade in Apoptosis , Regulation of Muscle Cell Differentiation , Cell-Cell Junction Organization , Skeletal Muscle Fiber Development , Autophagy , Smooth Muscle Cell Migration , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	ELISA. Western Blot: Bcl-2 antibody can be used for detection of Bcl-2 at 1 to 2 µg/mL. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

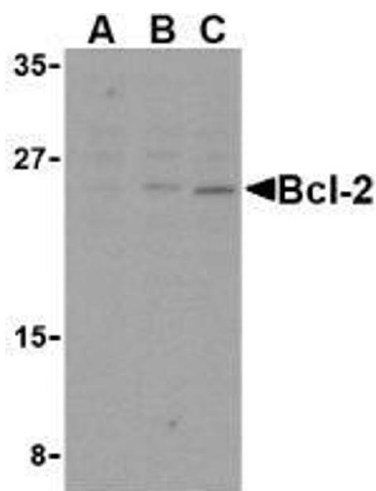
Handling

Buffer:	PBS containing 0.02 % 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.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunofluorescence

Image 1. Immunocytochemistry of Bcl-2 in A20 cells with AP30129PU-N Bcl-2 antibody at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of Bcl-2 in A-20 cell lysates with AP30129PU-N Bcl-2 antibody at (A) 1, (B) 2, and (C) 4 µg/ml.