

Datasheet for ABIN968025

anti-Bcl-2 antibody (AA 49-179)**3** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	150 µg
Target:	Bcl-2 (BCL2)
Binding Specificity:	AA 49-179
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Bcl-2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Human Bcl-2 aa. 49-179
Clone:	7-Bcl
Isotype:	IgG1
Cross-Reactivity:	Chicken, Dog (Canine), Mouse (Murine), Rat (Rattus)
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	Bcl-2 (BCL2 Products)
Background:	Human hematopoietic malignancies are often characterized by gene rearrangements which deregulate gene expression. The Bcl-2 gene (B-cell leukemia/lymphoma 2) was discovered by walking the chromosomal breakpoints t(14,18). This gene consists of two exons and several transcripts that encode two different protein products, Bcl-2alpha and Bcl-2beta. Both are approximately 26-30kDa and differ at their C-terminal region. Bcl-2 suppresses programmed cell death (apoptosis) and this property appears to be modulated by homodimerization or association with Bax and Bad, two cell death promoters. This antibody is routinely tested by western blot analysis.
Molecular Weight:	26 kDa
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

Comment:	Related Products: ABIN968537, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % 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:	-20 °C

Handling

Storage Comment: Store undiluted at -20° C.

Publications

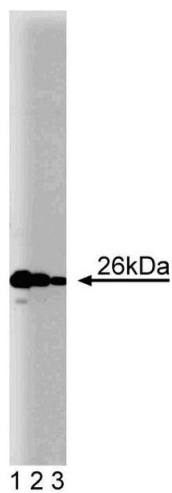
Product cited in: Decary, Decesse, Ogryzko, Reed, Naguibneva, Harel-Bellan, Cremisi: "The retinoblastoma protein binds the promoter of the survival gene bcl-2 and regulates its transcription in epithelial cells through transcription factor AP-2." in: **Molecular and cellular biology**, Vol. 22, Issue 22, pp. 7877-88, (2002) ([PubMed](#)).

Naga Prasad, Laporte, Chamberlain, Caron, Barak, Rockman: "Phosphoinositide 3-kinase regulates beta2-adrenergic receptor endocytosis by AP-2 recruitment to the receptor/beta-arrestin complex." in: **The Journal of cell biology**, Vol. 158, Issue 3, pp. 563-75, (2002) ([PubMed](#)).

Ayllón, Cayla, García, Roncal, Fernández, Albar, Martínez, Rebollo: "Bcl-2 targets protein phosphatase 1 alpha to Bad." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 166, Issue 12, pp. 7345-52, (2001) ([PubMed](#)).

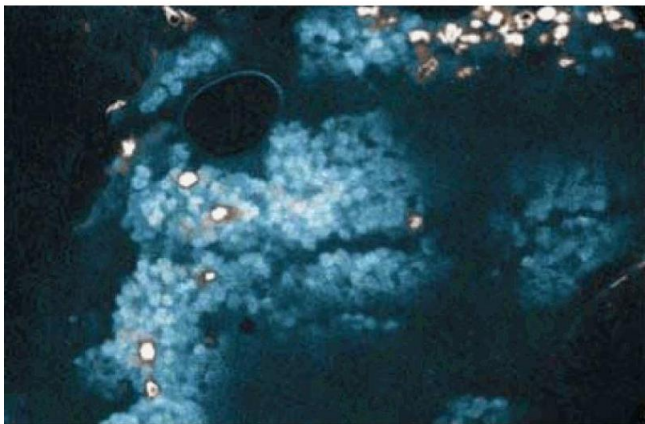
Kihara, Shimohama, Sawada, Honda, Nakamizo, Shibasaki, Kume, Akaike: "alpha 7 nicotinic receptor transduces signals to phosphatidylinositol 3-kinase to block A beta-amyloid-induced neurotoxicity." in: **The Journal of biological chemistry**, Vol. 276, Issue 17, pp. 13541-6, (2001) ([PubMed](#)).

Tsujimoto, Croce: "Analysis of the structure, transcripts, and protein products of bcl-2, the gene involved in human follicular lymphoma." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 83, Issue 14, pp. 5214-8, (1986) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of Bcl-2 (clone 7) on Jurkat cell lysate. Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of Bcl-2.



Immunohistochemistry

Image 2. Immunohistochemical staining of Bcl-2 (clone 7) on Rabbit Lung



Image 3.