

## BCL2 Antibody

Catalog No: #32012

Package Size: #32012-1 50ul #32012-2 100ul

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## Description

|                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Product Name          | BCL2 Antibody                                                                    |
| Host Species          | Rabbit                                                                           |
| Clonality             | Polyclonal                                                                       |
| Purification          | Antibodies were purified by affinity purification using immunogen.               |
| Applications          | WB,IHC,IF                                                                        |
| Species Reactivity    | Human,Mouse,Rat                                                                  |
| Specificity           | The antibody detects endogenous level of total BCL2 protein.                     |
| Immunogen Type        | Peptide                                                                          |
| Immunogen Description | The antiserum was produced against synthesized peptide derived from human BCL-2. |
| Conjugates            | Unconjugated                                                                     |
| Target Name           | BCL2                                                                             |
| Other Names           | BCL2; Bcl-2; ONCOGENEB-CELLLEUKEMIA2; ApoptosisregulatorBcl-2;                   |
| Accession No.         | Swiss-Prot:P10415NCBI Gene ID:596                                                |
| SDS-PAGE MW           | 26KD                                                                             |
| Concentration         | 1.0mg/ml                                                                         |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.          |
| Storage               | Store at -20°C                                                                   |

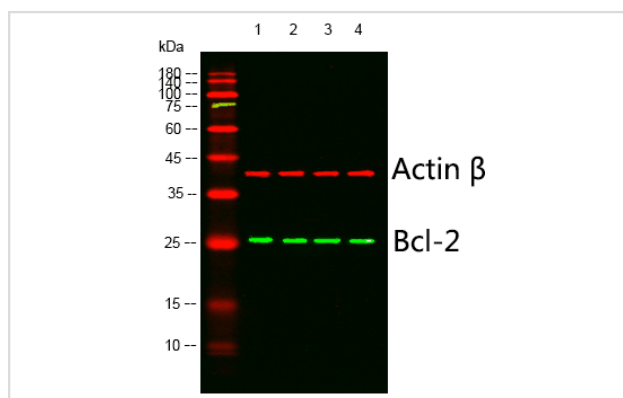
## Application Details

WB 1:500 - 1:2000

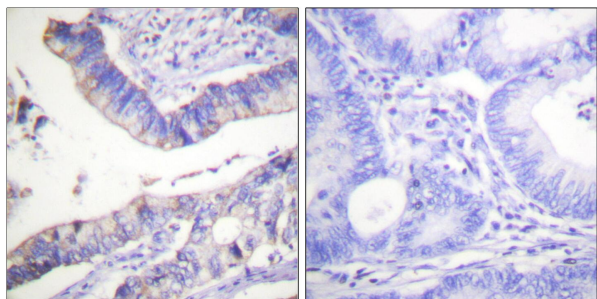
IHC 1:100- 1:300

IF 1:200 - 1:1000

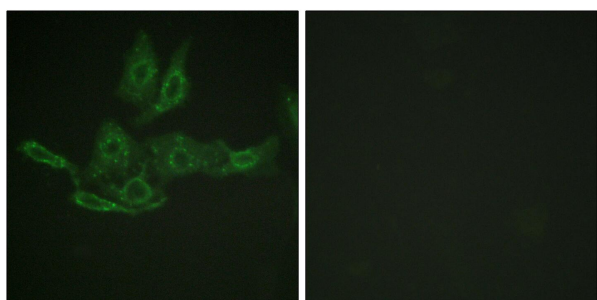
## Images



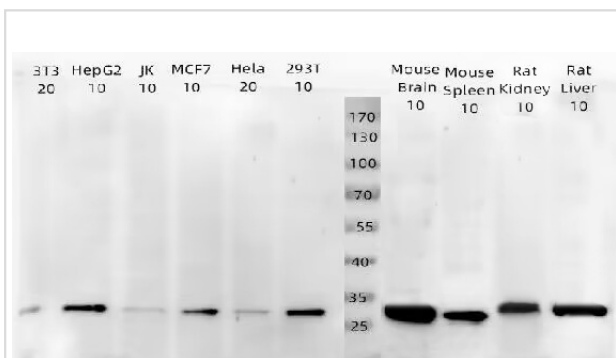
Western blot analysis of lysates from 1)mouse-liver, 2)mouse-brain, 3)mouse-lung, 4)mcf-7 cells, (Green)primary antibody was diluted at 1:1000, 4° over night, Dylight 800 secondary antibody was diluted at 1:10000, 37° 1hour. (Red) Actin β Monoclonal Antibody(5B7) antibody was diluted at 1:5000 as loading control, 4° over night,Dylight 680 secondary antibody was diluted at 1:10000, 37° 1hour.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using BCL-2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of HepG2 cells, using BCL-2 Antibody. The picture on the right is blocked with the synthesized peptide.



Lane1: 3T3 whole cell lysateLane2:HepG2 whole cell lysateLane3:JK whole cell lysateLane4: MCF7 whole cell lysateLane5: Hela whole cell lysateLane6:293T whole cell lysateLane7:Mouse Brain tissue lysateLane8:Mouse Spleen tissue lysateLane9:Rat Kidney tissue lysateLane10: Rat Liver tissue lysateSecondary: Goat Anti-Rabbit IgG(HRP) at 1/20000 dilutionPredicted band size : 26kDaObserved band size: 26kDa

## Background

BCL2 exerts a survival function in response to a wide range of apoptotic stimuli through inhibition of mitochondrial cytochrome c release (1). It has been implicated in modulating mitochondrial calcium homeostasis and proton flux (2). Several phosphorylation sites have been identified within BCL2 including Thr56, Ser70, Thr74 and Ser87 (3). It has been suggested that these phosphorylation sites may be targets of the ASK1/MKK7/JNK1 pathway, and that phosphorylation of BCL2 may be a marker for mitotic events (4,5). Mutation of BCL2 at Thr56 or Ser87 inhibits its anti-apoptotic activity during glucocorticoid-induced apoptosis of T lymphocytes (6). Interleukin 3 and JNK-induced BCL2 phosphorylation at Ser70 may be required for its enhanced anti-apoptotic functions (7).

## Published Papers

el at., PIWI-Interacting RNA-004800 Is Regulated by S1P Receptor Signaling Pathway to Keep Myeloma Cell Survival.In Front Oncol on 2020 Apr 15 by Ma H, Wang H, et al..PMID: 32351883, , (2020)

[PMID:32351883](#)

el at., Nerve growth factor protects retinal ganglion cells against injury induced by retinal ischemia and reperfusion in rats.In Growth Factors on 2015 Apr by Qian Chen , Haitao Wang et al..PMID: 25707536, , (2015)

[PMID:25707536](#)

el at., Artemisinin Improved Neuronal Functions in Alzheimer's Disease Animal Model 3xtg Mice and Neuronal Cells via Stimulating the ERK/CREB

Signaling Pathway. In Aging Dis on 2020 Jul 23 by Xia Zhao, Shuai Li,et al..PMID:32765947, , (2020)

[PMID:32765947](#)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.