

Datasheet for ABIN707156

**anti-Bcl-2 antibody (AA 161-239)****2** Images**7** Publications[Go to Product page](#)

## Overview

|                      |                                                                                                                                                                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                                                                                                                                 |
| Target:              | Bcl-2 (BCL2)                                                                                                                                                                                                                                                           |
| Binding Specificity: | AA 161-239                                                                                                                                                                                                                                                             |
| Reactivity:          | Human, Mouse, Rat, Pig, Rabbit, Sheep                                                                                                                                                                                                                                  |
| Host:                | Rabbit                                                                                                                                                                                                                                                                 |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                                             |
| Conjugate:           | This Bcl-2 antibody is un-conjugated                                                                                                                                                                                                                                   |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Bcl-2 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Human, Mouse, Pig, Rabbit, Rat, Sheep                     |
| Predicted Reactivity: | Dog,Cow,Horse                                             |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|         |              |
|---------|--------------|
| Target: | Bcl-2 (BCL2) |
|---------|--------------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | Bcl-2 ( <a href="#">BCL2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | <p>Synonyms: Bcl-2, PPP1R5, Apoptosis regulator Bcl-2, BCL2</p> <p>Background: Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop system with caspases. Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1).</p> |
| Gene ID:          | 596                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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: | <p>WB 1:300-5000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only                                                                                                                                              |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.                                              |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C, -20 °C                                                                                                       |

## Handling

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months

## Publications

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Product cited in: Zhang, Zhao, Zhang, Hao, Yu, Min, Li, Ma, Chen, Yi, Tang, Meng, Liu, Wang, Shen, Zhang: "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can be inheritable." in: **Chemosphere**, Vol. 194, pp. 147-157, (2018) ([PubMed](#)).

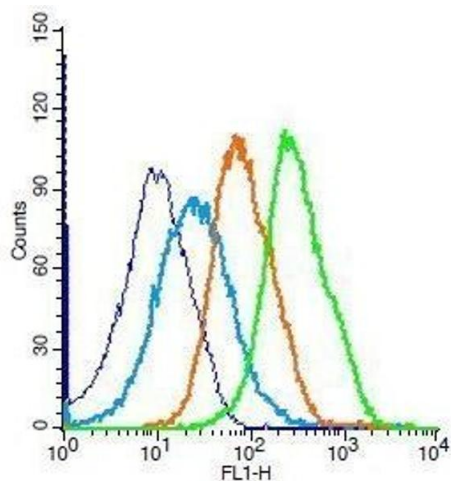
Wang, Zhao, Yu, Feng, Zhang, Kou, Chu, Cui, Li, Zhang, Shen, Min: "Regulation of steroid hormones and energy status with cysteamine and its effect on spermatogenesis." in: **Toxicology and applied pharmacology**, Vol. 313, pp. 149-158, (2016) ([PubMed](#)).

Zhao, Zhang, Liu, Zhang, Hao, Li, Chen, Shen, Tang, Min, Meng, Wang, Yi, Zhang: "Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways." in: **Scientific reports**, Vol. 6, pp. 37884, (2016) ([PubMed](#)).

Huang, Zou, Shi, Zhang, Peng, Zhang, Gao, Wang, Zhang: "Electroacupuncture stimulates remodeling of extracellular matrix by inhibiting apoptosis in a rabbit model of disc degeneration." in: **Evidence-based complementary and alternative medicine : eCAM**, Vol. 2015, pp. 386012, (2015) ([PubMed](#)).

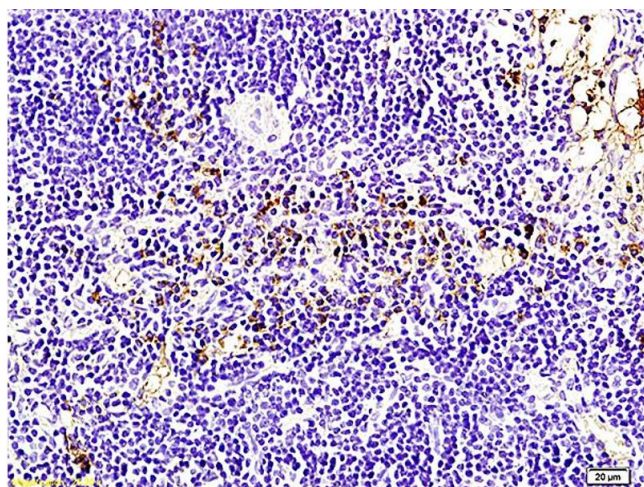
Chen, Yan, Wang, Yu, Wang, Zhang, Zhang, Zheng, Zhao, Zheng: "In vivo and in vitro evaluation of effects of Mg-6Zn alloy on apoptosis of common bile duct epithelial cell." in: **Biomaterials : an international journal on the role of metal ions in biology, biochemistry, and medicine**, (2014) ([PubMed](#)).

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



### Flow Cytometry

**Image 1.** Mouse splenocytes probed with Rabbit Anti-Bcl-2 Polyclonal Antibody, Unconjugated .



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rabbit pancreas labeled with Anti-Bcl-2 Polyclonal Antibody, Unconjugated (ABIN707156) followed by conjugation to the secondary antibody and DAB staining