

Datasheet for ABIN1531787  
**anti-Bcl-2 antibody (pThr56)**



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3 Images

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | Bcl-2 (BCL2)                                                                                            |
| Binding Specificity: | AA 26-75, pThr56                                                                                        |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This Bcl-2 antibody is un-conjugated                                                                    |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF),<br>Immunoprecipitation (IP) |

## Product Details

|               |                                                                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human BCL-2 around the phosphorylation site of Thr56.                                                                                         |
| Isotype:      | IgG                                                                                                                                                                                                               |
| Specificity:  | BCL-2 (Phospho-Thr56) Antibody detects endogenous levels of BCL-2 only when phosphorylated at Thr56.<br>PhosphorylationH:T56                                                                                      |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity:       | > 95 %                                                                                                                                                                                                            |

## Target Details

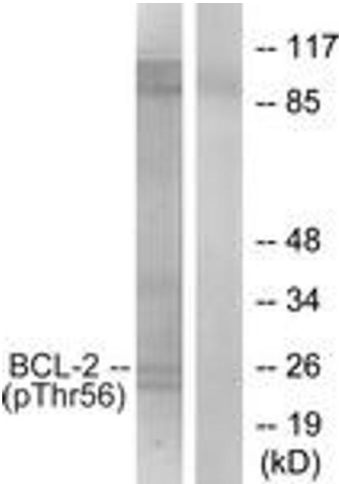
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Bcl-2 (BCL2)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternative Name: | BCL-2 ( <a href="#">BCL2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Background:       | Synonyms: Apoptosis regulator Bcl-2, B-cell CLL/lymphoma 2, BCL2<br>NCBI Gene Symbol: BCL2                                                                                                                                                                                                                                                                                                                                                                         |
| Molecular Weight: | 26 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene ID:          | 10000                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| OMIM:             | 151430                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:20000 |
| Comment:           | Unigene-Number: Hs.150749 (NCBI Gene Symbol: BCL2)              |
| Restrictions:      | For Research Use only                                           |

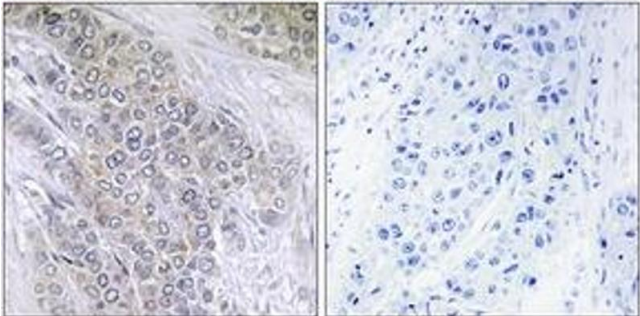
## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 mg/mL                                                                                                                |
| Buffer:            | phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.         |
| 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                                                                                                                 |
| Storage Comment:   | Stable at -20°C for at least 1 year.                                                                                   |
| Expiry Date:       | 12 months                                                                                                              |



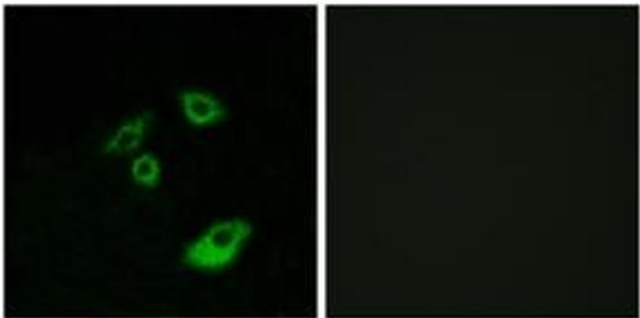
### Western Blotting

**Image 1.** Western blot analysis of extracts from K562 cells treated with H<sub>2</sub>O<sub>2</sub> 100uM 30', using BCL-2 (Phospho-Thr56) Antibody. The lane on the right is treated with the synthesized peptide.



### Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using BCL-2 (Phospho-Thr56) Antibody. The picture on the right is treated with the synthesized peptide.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of A549 cells, using BCL-2 (Phospho-Thr56) Antibody. The picture on the right is treated with the synthesized peptide.