

Datasheet for ABIN5707800

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

## Overview

|              |                                                             |
|--------------|-------------------------------------------------------------|
| Quantity:    | 100 µg                                                      |
| Target:      | Bcl-2 (BCL2)                                                |
| Reactivity:  | Human                                                       |
| Host:        | Rabbit                                                      |
| Clonality:   | Monoclonal                                                  |
| Conjugate:   | This Bcl-2 antibody is un-conjugated                        |
| Application: | Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |                                                                                                     |
|---------------|-----------------------------------------------------------------------------------------------------|
| Immunogen:    | Recombinant full length human protein was used as the immunogen for this recombinant Bcl2 antibody. |
| Clone:        | BCL2-1878R                                                                                          |
| Isotype:      | IgG kappa                                                                                           |
| Purification: | Purified                                                                                            |
| Purity:       | Protein A affinity chromatography                                                                   |

## Target Details

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| Target:           | Bcl-2 (BCL2)                                                                                   |
| Alternative Name: | Bcl-2 ( <a href="#">BCL2 Products</a> )                                                        |
| Background:       | This antibody recognizes a protein of 25-26 kDa, identified as the Bcl-2 alpha oncoprotein. It |

## Target Details

shows no cross-reaction with Bcl-x or Bax protein. Expression of bcl-2 alpha oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of bcl-2 alpha protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, this antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymph node biopsies. It may also be used in distinguishing between those follicular lymphomas that express bcl-2 protein and the small number in which the neoplastic cells are bcl-2 negative.

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: The optimal dilution of the recombinant Bcl2 antibody for each application should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT,Prediluted IHC only format: incubate for 30 min at RT (1)

Restrictions: For Research Use only

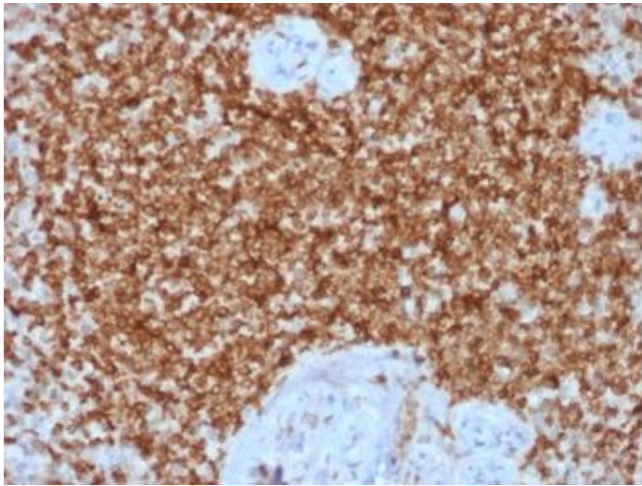
## Handling

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

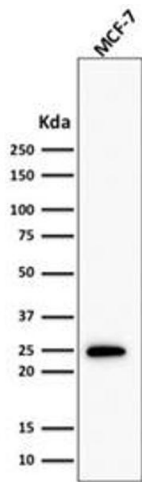
Storage: 4 °C,-20 °C

Storage Comment: Store the recombinant Bcl2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).



#### Immunohistochemistry

**Image 1.** IHC testing of FFPE human spleen tissue with recombinant Bcl2 antibody (clone BCL2/1878R). HIER: boil tissue sections in 1mM EDTA buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 min.



#### Western Blotting

**Image 2.** Western blot testing of human MCF7 cell lysate with recombinant Bcl2 antibody (clone BCL2/1878R). Expected molecular weight ~26 kDa.