

Datasheet for ABIN3024194

anti-Bcl-2 antibody (AA 41-54)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Bcl-2 (BCL2)
Binding Specificity:	AA 41-54
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Bcl-2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A synthetic peptide, aa 41-54 (GAAPAGIFSSQPG) of the human protein was used as the immunogen for both antibodies in this Bcl2 antibody cocktail.
Clone:	100-D5-124
Isotype:	IgG1 kappa
No Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Purification:	Protein G purification

Target Details

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

Target Details

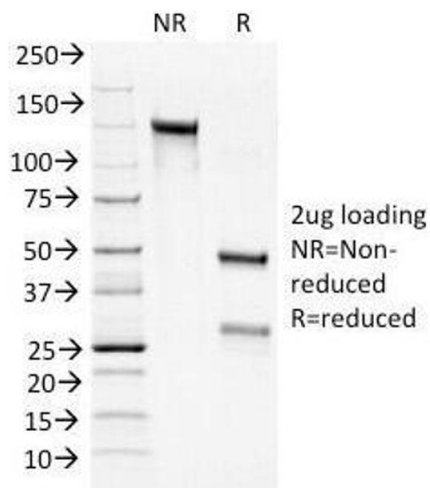
Alternative Name:	Bcl2 (BCL2 Products)
Background:	B-cell lymphoma 2 is an oncogene that regulates apoptosis, having both inducing and inhibiting functions. In cancer cells, Bcl2 binds pro-apoptotic proteins, preventing programmed cell death from occurring. Overexpression is seen in many cancers including lung, breast, prostate and lymphomas. In most follicular lymphomas, neoplastic germinal centers express high levels of the protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, Bcl2 antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymph node biopsies.
Gene ID:	596
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:	Variations in protocols, secondaries and substrates may require the antibody cocktail to be titrated for optimal performance. 1. FFPE staining is enhanced by boiling tissue sections in 1 mM EDTA Buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes. 2. 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.\. Flow: 0.5-1 µg/million cells,Immunofluorescence: 0.5-1 µg/mL,Western blot: 0.5-1 µg/mL,Immunoprecipitation: 0.5-1 µg/500 µg protein lysate,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only

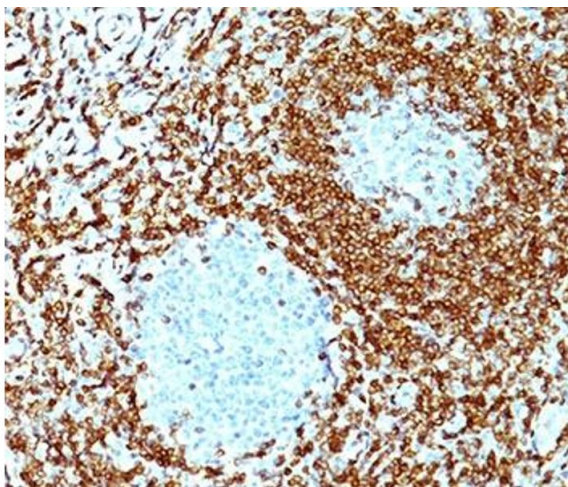
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Bcl2 antibody cocktail at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



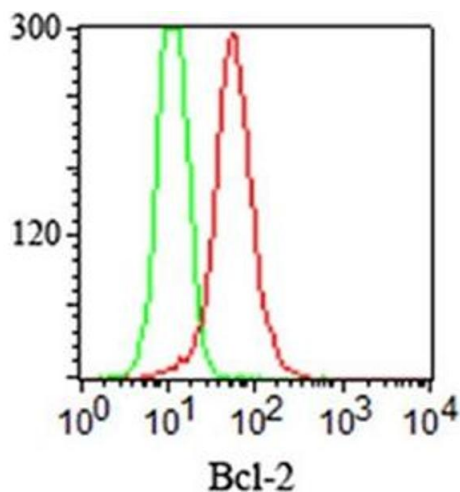
SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified, BSA-Free Bcl2 Antibody cocktail (100/D5 + 124). Confirmation of Integrity and Purity of the Antibody.



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 2. FFPE non-Hodgkin's lymphoma stained with Bcl2 antibody cocktail.



Flow Cytometry

Image 3. FACS staining (intracellular) of Jurkat cells using Bcl2 antibody cocktail (red) and isotype control (green).