

Rabbit anti-Human Bcl-2 Monoclonal Antibody | anti-BCL2 antibody

Recombinant Anti-Bcl-2 Antibody, Rabbit Monoclonal

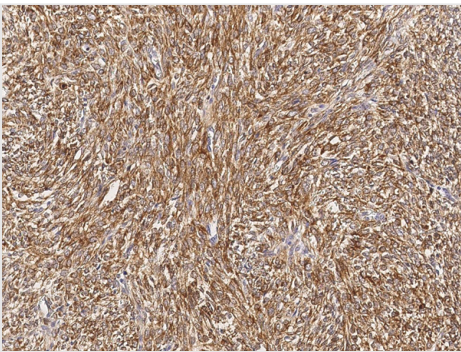
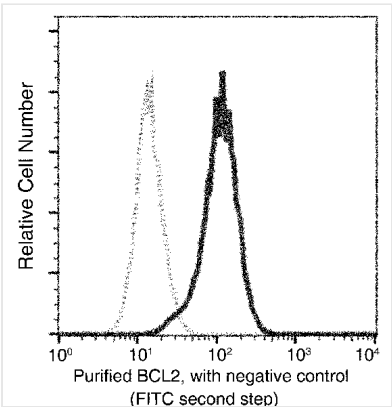
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254138	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

Bcl-2; Monoclonal Antibody; Recombinant Anti-Bcl-2 Antibody; Rabbit Monoclonal; Bcl-2 Antibody; Rabbit MAb; B-cell CLL/lymphoma 2; Anti-Bcl-2 Antibody; Anti-PPP1R50 Antibody; anti-BCL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	204
Specificity	Human Bcl-2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-BCL2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human Bcl-2
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with a synthetic peptide corresponding to the N-terminus of the Human Bcl-2. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human BCL-2 in human sarcoma with rabbit monoclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human BCL2 expression on Jurkat cells. The cells were treated according to manufacturer's manual (BD Pharmingen), stained with purified anti-Human BCL2, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

Related Product Information for anti-BCL2 antibody	BCL2 (B-cell leukemia/lymphoma 2, N-Histidine-tagged), also known as Bcl-2, belongs to the Bcl-2 family. Bcl-2 family proteins regulate and contribute to programmed cell death or apoptosis. It is a large protein family and all members contain at least one of four BH (bcl-2 homology) domains. Certain members such as Bcl-2, Bcl-xl and Mcl1 are anti-apoptotic, whilst others are pro-apoptotic. Most Bcl-2 family members contain a C-terminal transmembrane domain that functions to target these proteins to the outer mitochondrial and other intracellular membranes. It is expressed in a variety of tissues. BCL2 blocks the apoptotic death of some cells such as lymphocytes. It also regulates cell death by controlling the mitochondrial membrane permeability and inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Two transcript variants, produced by alternate splicing, differ in their C-terminal ends.
Product Categories/Family for anti-BCL2 antibody	Cancer Drug Targets; Death Receptor Signaling
References	Tsujimoto Y, et al. (1984) Cloning of the chromosome breakpoint of neoplastic B cells with the t(14;18) chromosome translocation. Science. 226(4678):1097-99. Cleary ML, et al. (1986) Cloning and structural analysis of cDNAs for bcl-2 and a hybrid bcl-2/immunoglobulin transcript resulting from the t(14;18) translocation. Cell. 47(1):19-28. Otake Y, et al. (2007) Overexpression of nucleolin in chronic lymphocytic leukemia cells induces stabilization of Bcl-2/Bcl-2 mRNA. Blood. 109(7):3069-75.

NCBI AND UNIPROT INFORMATION

NCBI GI #	72198189
NCBI GeneID	596
NCBI Accession #	NP_000624.2
NCBI GenBank Nucleotide #	NM_000633.2
UniProt Accession #	P10415; P10416; Q13842; Q16197
Molecular Weight	26,266 Da
NCBI Official Full Name	apoptosis regulator Bcl-2 alpha isoform
NCBI Official Synonym Full Names	B-cell CLL/lymphoma 2

NCBI Official Symbol	BCL2
NCBI Official Synonym Symbols	Bcl-2; PPP1R50
NCBI Protein Information	apoptosis regulator Bcl-2; protein phosphatase 1, regulatory subunit 50
UniProt Protein Name	Apoptosis regulator Bcl-2
UniProt Gene Name	BCL2
UniProt Entry Name	BCL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/bcl-2-antibody-clone-204-flow-cytometry-immunohistochemistry-elisa/254138>