

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

Bcl-2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266642	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

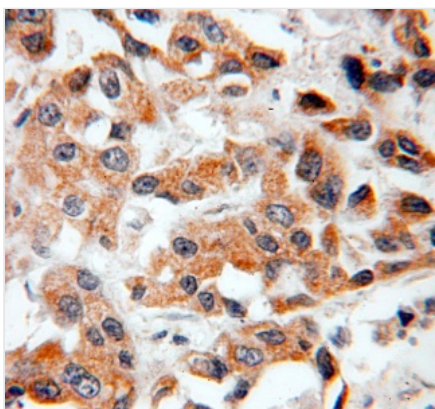
PRODUCT SYNONYMS

Bcl-2; Bcl-2 Antibody; BCL2; ONCOGENE B-CELL LEUKEMIA 2; Apoptosis regulator Bcl-2; anti-Bcl-2 antibody

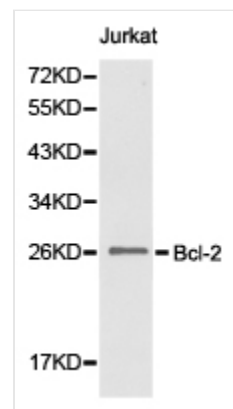
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	239
Applicable Applications for anti-Bcl-2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Fusion protein of human Bcl-2
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C or -80 degree C. Avoid freeze/thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Breast cancer using BCL2 Antibody.


WB (Western Blot)

Western blot analysis of extracts of Jurkat cell line, using BCL2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Bcl-2 antibody	Bcl-2 exerts a survival function in response to a wide range of apoptotic stimuli through inhibition of mitochondrial cytochrome c release (1). It has been implicated in modulating mitochondrial calcium homeostasis and proton flux (2). Several phosphorylation sites have been identified within Bcl-2 including Thr56, Ser70, Thr74 and Ser87 (3). It has been suggested that these phosphorylation sites may be targets of the ASK1/MKK7/JNK1 pathway, and that phosphorylation of Bcl-2 may be a marker for mitotic events (4, 5). Mutation of Bcl-2 at Thr56 or Ser87 inhibits its anti-apoptotic activity during glucocorticoid-induced apoptosis of T lymphocytes (6). Interleukin 3 and JNK-induced Bcl-2 phosphorylation at Ser70 may be required for its enhanced anti-apoptotic functions (7).
Product Categories/Family for anti-Bcl-2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	1. Murphy, K.M. et al. (2000) Cell Death Differ 7, 102-11. 2. Zhu, L. et al. (1999) J Biol Chem 274, 33267-73. 3. Maundrell, K. et al. (1997) J Biol Chem 272, 25238-42. 4. Yamamoto, K. et al. (1999) Mol Cell Biol 19, 8469-78. 5. Ling, Y.H. et al. (1998) J Biol Chem 273, 18984-91. 6. Huang, S.T. and Cidlowski, J.A. (2002) FASEB J 16, 825-32. 7. Deng, X. et al. (2001) J Biol Chem 276, 23681-8.

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; C9JHD5
Molecular Weight	26kDa
NCBI Official Full Name	apoptosis regulator Bcl-2 isoform alpha
NCBI Official Synonym Full Names	BCL2, apoptosis regulator
NCBI Official Symbol	BCL2
NCBI Official Synonym Symbols	Bcl-2; PPP1R50
NCBI Protein Information	apoptosis regulator Bcl-2
UniProt Protein Name	Apoptosis regulator Bcl-2
UniProt Gene Name	BCL2

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.