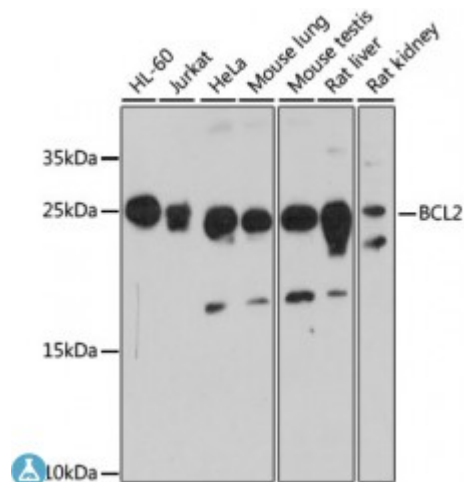


Anti-NA Antibody



Description

This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. 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. Alternative splicing results in multiple transcript variants.

Model	STJ113693
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-239 of human BCL2 (NP_000624.2).
Gene ID	596
Gene Symbol	BCL2
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in a variety of tissues
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Apoptosis regulator Bcl-2
Molecular Weight	26.266 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:990OMIM:151430Reactome:R-HSA-111447
Alternative Names	Apoptosis regulator Bcl-2
Function	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells, Regulates cell death by controlling the mitochondrial membrane permeability, Appears to function in a feedback loop system with caspases, Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1), May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release ,
Cellular Localization	Mitochondrion outer membrane
Post-translational Modifications	Phosphorylation/dephosphorylation on Ser-70 regulates anti-apoptotic activity, Growth factor-stimulated phosphorylation on Ser-70 by PKC is required for the anti-apoptosis activity and occurs during the G2/M phase of the cell cycle, In the absence of growth factors, BCL2 appears to be phosphorylated by other protein kinases such as ERKs and stress-activated kinases, Phosphorylated by MAPK8/JNK1 at Thr-69, Ser-70 and Ser-87, wich stimulates starvation-induced autophagy, Dephosphorylated by protein phosphatase 2A (PP2A) ,