Rabbit BCLW Polyclonal Antibody | anti-BCLW antibody

BCLW Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324292	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

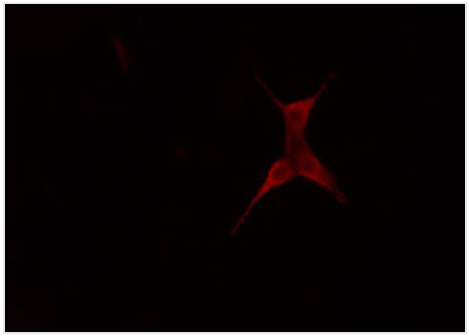
PRODUCT SYNONYMS

BCLW; Polyclonal Antibody; BCLW Antibody; Apoptosis regulator BCL W; Apoptosis regulator Bcl-W; B2CL2_HUMAN; BCL 2 Like 2; Bcl 2 like 2 protein; Bcl 2L2; BCL W; Bcl-2-like protein 2; Bcl2 L2; BCL2 like 2; BCL2 like 2 protein; Bcl2-L-2; Bcl2l2; KIAA0271; PPP1R51; Protein phosphatase 1 regulatory subunit 51; anti-BCLW antibody

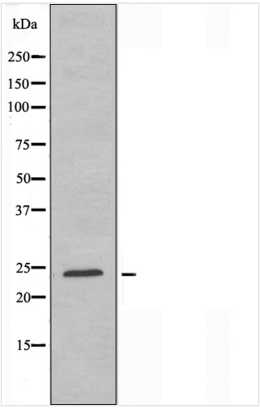
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BCLW antibody detects endogenous levels of total BCLW
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	193
Applicable Applications for anti-BCLW antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Membrane. Loosely associated with the mitochondrial membrane in healthy cells. During apoptosis, tightly bound to the membrane.
Tissue Specificity	Expressed (at protein level) in a wide range of tissues with highest levels in brain, spinal cord, testis, pancreas, heart, spleen and mammary glands. Moderate levels found in thymus, ovary and small intestine. Not detected in salivary gland, muscle or liver. Also expressed in cell lines of myeloid, fibroblast and epithelial origin. Not detected in most lymphoid cell lines.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324292 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from COLO cells, using BCLW antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BCLW antibody	Function: Promotes cell survival. Blocks dexamethasone-induced apoptosis. Mediates survival of postmitotic Sertoli cells by suppressing death-promoting activity of BAX. Subunit Structure: Interacts with HIF3A (via C-terminus domain). Interacts with BOP. Similarity: The BH4 motif seems to be involved in the anti-apoptotic function.The BH1 and BH2 motifs form a hydrophobic groove which acts as a docking site for the BH3 domain of some pro-apoptotic proteins. The C-terminal residues of BCL2L2 fold into the BH3-binding cleft and modulate pro-survival activity by regulating ligand access. When BH3 domain-containing proteins bind, they displace the C-terminus, allowing its insertion into the membrane and neutralizing the pro-survival activity of BCL2L2. Belongs to the Bcl-2 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	315360668
NCBI GeneID	599
NCBI Accession #	NP_001186768.1
NCBI GenBank Nucleotide #	NM_001199839.1
UniProt Accession #	Q92843; Q2M3U0; Q5U0H4; A8K0F4
Molecular Weight	Observed: 25 kD Predicted: 21 kDa
NCBI Official Full Name	bcl-2-like protein 2
NCBI Official Synonym Full Names	BCL2 like 2
NCBI Official Symbol	BCL2L2
NCBI Official Synonym Symbols	BCLW; BCL-W; PPP1R51; BCL2-L-2
NCBI Protein Information	bcl-2-like protein 2
UniProt Protein Name	Bcl-2-like protein 2
UniProt Gene Name	**BCL2L2**
UniProt Synonym Gene Names	BCLW; KIAA0271; Bcl2-L-2

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.