



Rabbit Anti-Bcl2A1 antibody

SL20163R

Product Name:	Bcl2A1
Chinese Name:	BCL2相关蛋白A1抗体
Alias:	ACC 1; ACC 2; B2LA1_HUMAN; Bcl 2 related protein A1; Bcl-2-like protein 5; Bcl-2-related protein A1; BCL2 related protein A1; Bcl2-L-5; BCL2L5; BFL1; GRS; HBPA1; Hematopoietic BCL2 related protein A1; Hemopoietic specific early response protein; Hemopoietic-specific early response protein; Protein BFL 1; Protein BFL-1; Protein GRS.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse Bcl2A1:11-80/172
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the BCL-2 protein family. The proteins of this family form hetero- or homodimers and act as anti- and pro-apoptotic regulators that are involved in a wide variety of cellular activities such as embryonic development,

homeostasis and tumorigenesis. The protein encoded by this gene is able to reduce the release of pro-apoptotic cytochrome c from mitochondria and block caspase activation. This gene is a direct transcription target of NF-kappa B in response to inflammatory mediators, and is up-regulated by different extracellular signals, such as granulocyte-macrophage colony-stimulating factor (GM-CSF), CD40, phorbol ester and inflammatory cytokine TNF and IL-1, which suggests a cytoprotective function that is essential for lymphocyte activation as well as cell survival. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Function:

Retards apoptosis induced by IL-3 deprivation. May function in the response of hemopoietic cells to external signals and in maintaining endothelial survival during infection.

Subunit:

Interacts directly with BAK1, BID, BMF and BBC3. Interacts directly with BCL2L11/BIM. Interacts with BAX isoform Sigma.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Seems to be restricted to the hematopoietic compartment. Expressed in peripheral blood, spleen, and bone marrow, at moderate levels in lung, small intestine and testis, at a minimal levels in other tissues. Also found in vascular smooth muscle cells and hematopoietic malignancies.

Similarity:

Belongs to the Bcl-2 family.

SWISS:

Q07440

Gene ID:

12044

Database links:

[Entrez Gene: 12044](#)Mouse

[Entrez Gene: 170929](#)Rat

[SwissProt: Q07440](#)Mouse

[Unigene: 425593](#)Mouse

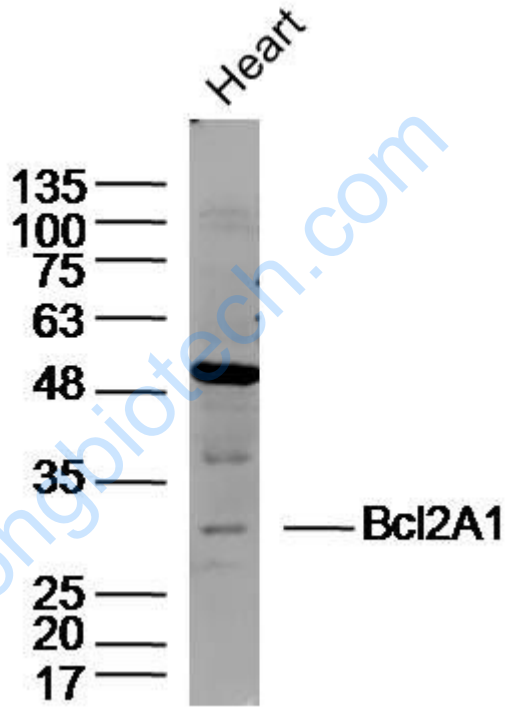
[Unigene: 479217](#)Mouse

[Unigene: 19770Rat](#)

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



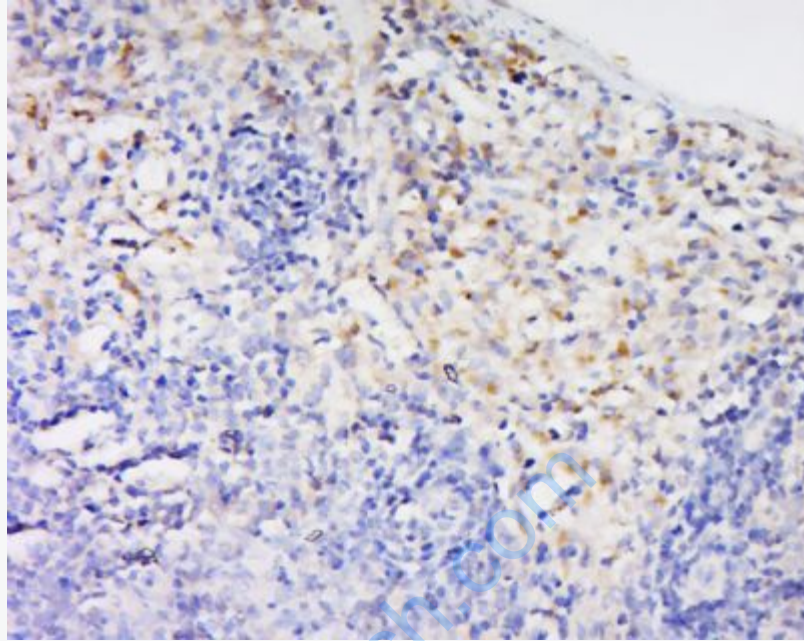
Sample: Heart (Mouse) Lysate at 40 ug

Primary: Anti- Bcl2A1 (SL20163R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 29kD

Observed band size: 29kD



Tissue/cell: rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Bcl2A1 Polyclonal Antibody, Unconjugated(SL20163R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining