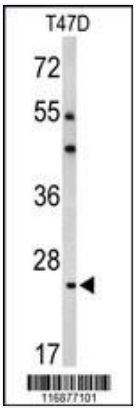
BCL2A1 Antibody – Rabbit Polyclonal

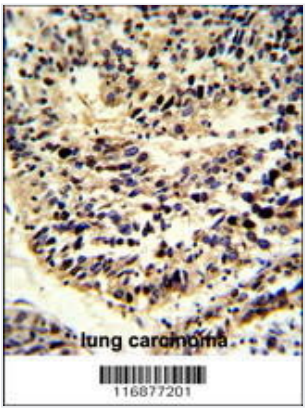
PRODUCT OVERVIEW

Product Name	BCL2A1, Polyclonal Antibody
Full Product Name	BCL2A1, ID (BCL2A1, BCL2L5, BFL1, GRS, HBPA1, Bcl-2-related protein A1, Bcl-2-like protein 5, Hemopoietic-specific early response protein, Protein BFL-1, Protein GRS) (AP)
Product Gene Name	anti-BCL2A1 antibody
Product Synonym Names	BCL2A1; BCL2L5; BFL1; GRS; HBPA1; Bcl-2-related protein A1; Bcl-2-like protein 5; Hemopoietic-specific early response protein; Protein BFL-1; Protein GRS
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase.
Purity/Purification	Purified by saturated ammonium sulfate precipitation followed by dialysis against PBS.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	175
OMIM	601056
3D Structure	ModBase 3D Structure for Q16548
Immunogen	BCL2A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63~92 amino acids from the Center region of human BCL2A1.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-BCL2A1 antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-BCL2A1 antibody	Flow Cytometry (FC/FACS), ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-BCL2A1 antibody	FC/FACS: 1:10-50 ELISA: 1:1,000 IHC: 1:50-100 WB: 1:50-100 Applications are based on unconjugated antibody.
Related Product Information for anti-BCL2A1 antibody	Bcl-2 related Protein A1 is 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 has been shown to be 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.

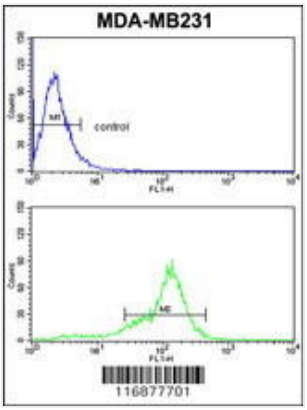
Product References and Citations for anti-BCL2A1 antibody	Akatsuka, Y., et al., J. Exp. Med. 197(11):1489-1500 (2003). Edelstein, L.C., et al., Mol. Cell. Biol. 23(8):2749-2761 (2003). Werner, A.B., et al., J. Biol. Chem. 277(25):22781-22788 (2002). Akari, H., et al., J. Exp. Med. 194(9):1299-1311 (2001). Harrington, J.J., et al., Nat. Biotechnol. 19(5):440-445 (2001).
Other Notes	Small volumes of anti-BCL2A1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BCL2A1 purchase	MBS6277966 is an antibody targeting BCL2A1. Also known as BCL2A1, ID (BCL2A1, BCL2L5, BFL1, GRS, HBPA1, Bcl-2-related protein A1, Bcl-2-like protein 5, Hemopoietic-specific early response protein, Protein BFL-1, Protein GRS) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-BCL2A1 antibody
Western blot analysis of BCL2A1 Antibody (Center) in T47D cell line lysates (35ug/lane). BCL2A1 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-BCL2A1 antibody
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with BCL2A1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-BCL2A1 antibody
BCL2A1 Antibody (Center) flow cytometric analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BCL2A1. It may not necessarily be applicable to this product.

NCBI GI #	2493280
NCBI GeneID	597
NCBI Accession #	Q16548.1
UniProt Primary Accession #	Q16548
UniProt Secondary Accession #	Q6FGZ4; Q6FH19; Q86W13; Q99524
UniProt Related Accession #	Q16548

NCBI Official Full Name	Bcl-2-related protein A1
NCBI Official Synonym Full Names	BCL2-related protein A1
NCBI Official Symbol	BCL2A1
NCBI Official Synonym Symbols	GRS; BFL1; ACC-1; ACC-2; HBPA1; BCL2L5
UniProt Protein Name	Bcl-2-related protein A1
UniProt Synonym Protein Names	Bcl-2-like protein 5; Bcl2-L-5; Hemopoietic-specific early response protein; Protein BFL-1; Protein GRS
Protein Family	Bcl-2-related protein
UniProt Gene Name	BCL2A1
UniProt Synonym Gene Names	BCL2L5; BFL1; GRS; HBPA1; Bcl2-L-5
UniProt Entry Name	B2LA1_HUMAN
NCBI Protein Information	bcl-2-related protein A1; bcl2-L-5; protein BFL-1; bcl-2-like protein 5; hematopoietic BCL2-related protein A1; hemopoietic-specific early response protein
NCBI Summary for BCL2A1	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]
UniProt Comments for BCL2A1	BCL2A1: 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. Interacts directly with BAK1, BID, BMF and BBC3. Interacts directly with BCL2L11/BIM. Interacts with BAX isoform Sigma. Interacts directly with PMAIP1. By phorbol ester and inflammatory cytokines, such as TNF or IL1B/interleukin-1 beta, but not by growth factors. 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. Belongs to the Bcl-2 family. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 15q24.3 Cellular Component: mitochondrial outer membrane Molecular Function: BH domain binding; protein binding; protein homodimerization activity; protein heterodimerization activity Biological Process: DNA damage response, signal transduction resulting in induction of apoptosis; negative regulation of apoptosis
Research Articles on BCL2A1	**1.** Bcl2a1 overexpressing granulocytic MDSCs demonstrated prolonged survival.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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