BIM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BIM, Polyclonal Antibody
Full Product Name	BIM Polyclonal Antibody
Product Gene Name	anti-BIM antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	4-22kDa
OMIM	603827
3D Structure	ModBase 3D Structure for O43521
Immunogen	Recombinant protein of human BCL2L11
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BIM antibody	Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-BIM antibody	IHC: 1:50-1:100 IF: 1:50-1:100
Related Product Information for anti-BIM antibody	The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero-or homodimers and act as anti-or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The protein encoded by this gene contains a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family and to act as an apoptotic activator. The expression of this gene can be induced by nerve growth factor (NGF), as well as by the forkhead transcription factor FKHR-L1, which suggests a role of this gene in neuronal and lymphocyte apoptosis. Transgenic studies of the mouse counterpart suggested that this gene functions as an essential initiator of apoptosis in thymocyte-negative selection. Several alternatively spliced transcript variants of this gene have been identified.
Other Notes	Small volumes of anti-BIM 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 BIM purchase	MBS8567405 is an antibody targeting BIM. Also known as BIM Polyclonal Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	323362959
NCBI GeneID	10018

NCBI Accession #	NP_001191035.1
UniProt Primary Accession #	O43521
UniProt Related Accession #	O43521
GenBank Nucleotide #	NP_001191035.1
NCBI Official Full Name	bcl-2-like protein 11 isoform 11
NCBI Official Synonym Full Names	BCL2 like 11
NCBI Official Symbol	BCL2L11
NCBI Official Synonym Symbols	BAM; BIM; BOD
UniProt Protein Name	Bcl-2-like protein 11
UniProt Synonym Protein Names	Bcl2-interacting mediator of cell death
UniProt Gene Name	BCL2L11
UniProt Synonym Gene Names	BIM; Bcl2-L-11
UniProt Entry Name	B2L11_HUMAN
NCBI Protein Information	bcl-2-like protein 11
NCBI Summary for BIM	The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The protein encoded by this gene contains a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family and to act as an apoptotic activator. The expression of this gene can be induced by nerve growth factor (NGF), as well as by the forkhead transcription factor FKHR-L1, which suggests a role of this gene in neuronal and lymphocyte apoptosis. Transgenic studies of the mouse counterpart suggested that this gene functions as an essential initiator of apoptosis in thymocyte-negative selection. Several alternatively spliced transcript variants of this gene have been identified. [provided by RefSeq, Jun 2013]
UniProt Comments for BIM	BIM: a pro-apoptotic member of the BCL-2 protein family. Interacts with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1, and act as an apoptotic activator. Its expression can be induced by nerve growth factor (NGF), as well as by the forkhead transcription factor FKHR-L1, which suggests a role in neuronal and lymphocyte apoptosis. Transgenic studies in the mouse suggested that this protein functions as an essential initiator of the apoptosis in thymocyte-negative selection. Nineteen alternatively spliced transcript variants of this gene have been reported. Protein type: Apoptosis Chromosomal Location of Human Ortholog: 2q13 Cellular Component: microtubule; mitochondrial outer membrane; extrinsic to membrane; endomembrane system; cytosol Molecular Function: protein binding; microtubule binding Biological Process: nerve growth factor receptor signaling pathway; positive regulation of apoptosis; apoptosis; cell-matrix adhesion; pigmentation during development; myeloid cell homeostasis; ear development; positive regulation of caspase activity; B cell apoptosis; cellular process regulating host cell cycle in response to virus; positive regulation of apoptosis by virus; mammary gland development; B cell homeostasis; positive regulation of neuron apoptosis; T cell homeostasis; kidney development; post-embryonic organ morphogenesis; caspase activation; spleen development; thymus development; in utero embryonic development; positive regulation of protein homooligomerization; male gonad development; positive regulation of cell cycle; regulation of organ growth; lumen formation; odontogenesis of dentine-containing teeth; DNA damage response, signal transduction resulting in induction of apoptosis; regulation of pigmentation during development; spermatogenesis; brain development
Research Articles on BIM	**1.** miR-339-5p promotes proliferation and survival of Stem Cell Leukemia/Lymphoma Syndrome cells through downregulation of the BCL2L11 and BAX pro-apoptotic genes

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