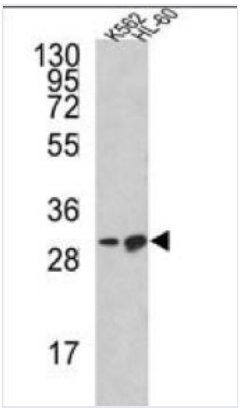
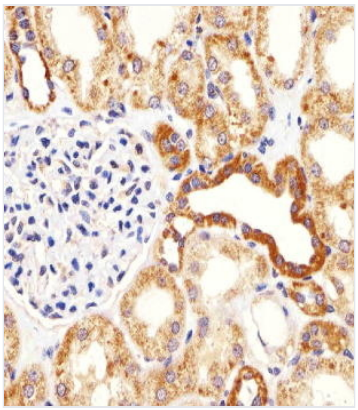
BCL2L11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

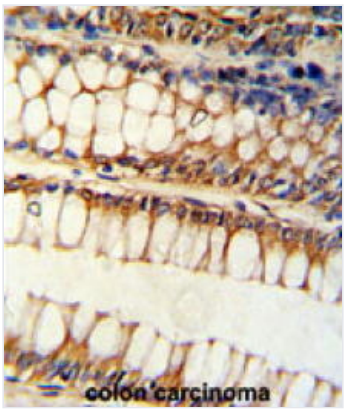
Product Name	BCL2L11, Polyclonal Antibody
Full Product Name	BCL2L11, ID (Bcl-2-like Protein 11, Bcl2-L-11, Bcl2-interacting Mediator of Cell Death, BIM) (MaxLight 650)
Product Gene Name	anti-BCL2L11 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human BCL2L11.
Preparation and Storage	Store product at 4 degree C in the dark. 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. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	22,171 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (111878491..111926022). Location: 2q13
OMIM	603827
3D Structure	ModBase 3D Structure for O43521
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 134-160 in the central region of human BCL2L11, UniProt Accession #O43521. Species sequence homology: mouse, rat
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-BCL2L11 antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-BCL2L11 antibody	Immunohistochemistry (IHC) Paraffin, FLISA, Western Blot (WB), Flow Cytometry (FC/FACS)
Application Notes for anti-BCL2L11 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-BCL2L11 antibody	MBS6465282 is an antibody targeting BCL2L11. Also known as BCL2L11, ID (Bcl-2-like Protein 11, Bcl2-L-11, Bcl2-interacting Mediator of Cell Death, BIM) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-BCL2L11 antibody	1. Hippe, D., et.al., J. Cell. Sci. 122(PT 19), 3511-3521 (2009). 2. Putcha, G.V., et.al., Neuron 38(6), 899-914 (2003).
Other Notes	Small volumes of anti-BCL2L11 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.



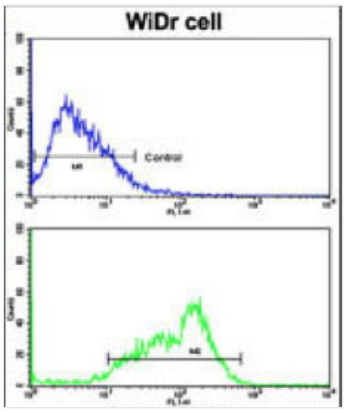
Western Blot (WB) of anti-BCL2L11 antibody
Western Blot analysis in K562, HL-60 cell line lysates (35ug/lane) usingMBS624616. BCL2L11 (arrow) was detected usingMBS624616.



Immunohistochemistry (IHC) of anti-BCL2L11 antibody
Immunohistochemistry analysis of paraffin-embedded H. kidney section using MBS624616 (1:25). A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunohistochemistry (IHC) of anti-BCL2L11 antibody
Immunohistochemistry analysis in formalin-fixed and paraffin-embedded human colon carcinoma reacted withMBS624616, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of MBS624616 for immunohistochemistry.



Flow Cytometry (FC/FACS) of anti-BCL2L11 antibody
Flow Cytometric analysis of WiDr cells using MBS624616 (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 BCL2L11. It may not necessarily be applicable to this product.

NCBI GI #	20336315
NCBI GeneID	10018
NCBI Accession #	NP_619527.1
UniProt Primary Accession #	O43521
UniProt Secondary Accession #	O43522; Q0MSE7; Q0MSE8; Q0MSE9; Q53R28; Q6JTU6; Q6T851; Q6TE14; Q6TE15; Q6TE16; A8K2W2
UniProt Related Accession #	O43521
GenBank Nucleotide #	NM_138621.4
NCBI Official Full Name	bcl-2-like protein 11 isoform 1
NCBI Official Synonym Full Names	BCL2-like 11 (apoptosis facilitator)
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

Protein Family	Bcl-2-like protein
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; bcl-2 interacting protein Bim; bcl-2-related ovarian death agonist; bcl-2 interacting mediator of cell death
NCBI Summary for BCL2L11	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 BCL2L11	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 BCL2L11	**1.** BIM and PUMA are induced upon HER2 inhibition in HER2-amplified breast cancers to execute apoptosis.
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