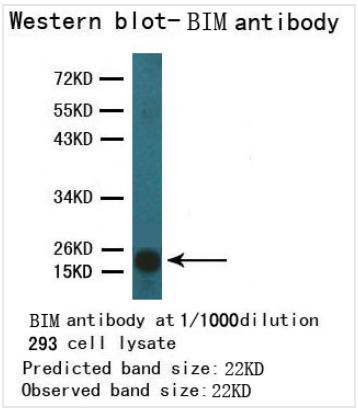
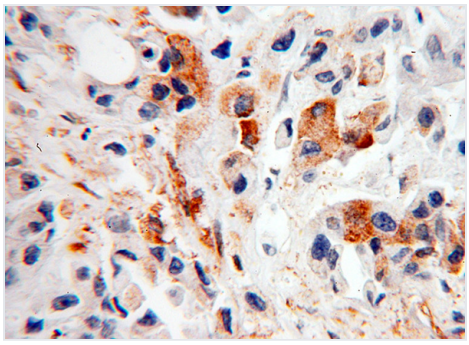
BIM Antibody – Rabbit

PRODUCT OVERVIEW

Product Name	Bim, Antibody
Full Product Name	Bim Antibody
Product Gene Name	anti-Bim antibody
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Each vial at least contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.1% sodium azide.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at 4 degree C or-20 degree C (with 50% glycerol); Minimize freeze-thaw cycles; Non-hazardous.
Molecular Weight	72,333 Da
OMIM	138120
3D Structure	ModBase 3D Structure for P11021
Product Categories/Family for anti-Bim antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-Bim antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-Bim antibody	WB: 1:500 IHC: 1:50-200
Related Product Information for anti-Bim antibody	Probably plays a role in facilitating the assembly of multimeric protein complexes inside the ER.
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	MBS857409 is an antibody targeting Bim. Also known as Bim Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Testing Data of anti-Bim antibody



Testing Data #2 of anti-Bim antibody
Immunohistochemistry of paraffin-embedded Breast cancer using BIM Antibody.

ADDITIONAL DETAILS

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

NCBI GI #	16507237
NCBI GeneID	3309
NCBI Accession #	NP_005338.1
UniProt Primary Accession #	P11021
UniProt Secondary Accession #	Q2EF78; Q9NPF1; Q9UK02; B0QZ61
UniProt Related Accession #	P11021
GenBank Nucleotide #	NM_005347.4
NCBI Official Full Name	endoplasmic reticulum chaperone BiP
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 5
NCBI Official Symbol	HSPA5
NCBI Official Synonym Symbols	BIP; MIF2; GRP78; HEL-S-89n
UniProt Protein Name	Endoplasmic reticulum chaperone BiP
UniProt Synonym Protein Names	78 kDa glucose-regulated protein
UniProt Gene Name	HSPA5
UniProt Synonym Gene Names	HSP70 family protein 5Curated
NCBI Protein Information	endoplasmic reticulum chaperone BiP
NCBI Summary for Bim	The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell.[provided by RefSeq, Sep 2010]
UniProt Comments for Bim	Endoplasmic reticulum chaperone that plays a key role in protein folding and quality control in the endoplasmic reticulum lumen (PubMed:2294010, PubMed:23769672, PubMed:23990668, PubMed:28332555). Involved in the correct folding of proteins and degradation of misfolded proteins via its interaction with DNAJC10/ERdj5, probably to facilitate the release of DNAJC10/ERdj5 from its substrate (). Acts as a key repressor of the ERN1/IRE1-mediated unfolded protein response (UPR) (PubMed:1550958, PubMed:19538957). In the unstressed endoplasmic reticulum, recruited by DNAJB9/ERdj4 to the luminal region of ERN1/IRE1, leading to disrupt the dimerization of ERN1/IRE1, thereby inactivating ERN1/IRE1 (). Accumulation of misfolded protein in the endoplasmic reticulum causes release of HSPA5/BiP from ERN1/IRE1, allowing homodimerization and subsequent activation of ERN1/IRE1 ().
Research Articles on Bim	**1.** GRP78 silencing promoted lung epithelial cell apoptosis during hyperoxia, via regulation of the CHOP pathway.

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