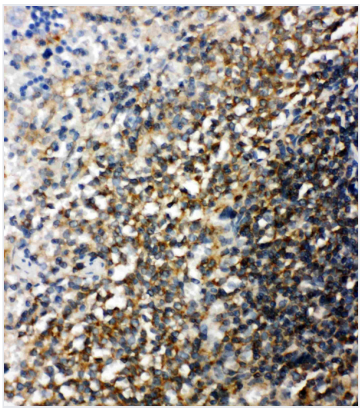
BID Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Bid, Polyclonal Antibody
Full Product Name	Anti-Bid antibody
Product Gene Name	anti-Bid antibody
Product Synonym Names	BH3-interacting domain death agonist; BH3 interacting domain death agonist; Apoptic death agonist antibody; Apoptotic death agonist antibody; Apoptotic death agonist BID antibody; BH3 interacting domain death agonist antibody; BH3 interacting domain death agonist p11 antibody; BH3 interacting domain death agonist p13 antibody; BH3 interacting domain death agonist p15 antibody; BH3-interacting domain death agonist p11 antibody; BID antibody; BID isoform ES(1b) antibody; BID isoform L(2) antibody; BID isoform Si6 antibody; BID_HUMAN antibody; Desmocollin type 4 antibody; FP497 antibody; HGNC:1050 antibody; Human BID coding sequence antibody; MGC15319 antibody; MGC42355 antibody; p11 BID antibody; p13 BID antibody; p15 BID antibody; p22 BID antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	Lyophilized
Purity/Purification	Immunogen affinity purified.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.
Molecular Weight	21,952 Da
3D Structure	ModBase 3D Structure for P70444
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Bid (179-195aa NQNLFSYVRNLVRNEMD), different from the related rat sequence by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-Bid antibody	Western Blot (WB), Immunohistochemistry (IHC) Paraffin
Related Product Information for anti-Bid antibody	**Description:** Rabbit IgG polyclonal antibody for BH3-interacting domain death agonist(Bid) detection. Tested with WB, IHC-P in Mouse, Rat. **Background:** BID(BH3-Interacting Domain Death Agonist), is a pro-apoptotic member of the Bcl-2 protein family. The BCL2 family of proteins consists of both antagonists and agonists that regulate apoptosis and compete through dimerization. By fluorescence in situ hybridization, Wang et al.(1998) mapped the human BID gene to 22q11. Luo et al.(1998) reported the purification of a cytosolic protein that induces cytochrome c release from mitochondria in response to caspase-8, the apical caspase activated by cell surface death receptors such as FAS and TNF.
Other Notes	Small volumes of anti-Bid 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 Bid purchase	MBS176273 is an antibody targeting Bid. Reactive in Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-Bid antibody
Anti-Bid antibody, MBS176273, IHC(P)IHC(P): Rat Spleen Tissue



Western Blot (WB) of anti-Bid antibody
Anti-Bid antibody, MBS176273, Western blottingAll lanes: Anti Bid(MBS176273) at 0.5ug/mlWB: Mouse Brain Tissue Lysate at 50ugPredicted bind size: 22KDObserved bind size: 22KD

ADDITIONAL DETAILS

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

NCBI GI #	88984020
NCBI GeneID	12122
NCBI Accession #	P70444.2
UniProt Primary Accession #	P70444
UniProt Secondary Accession #	Q99M39
UniProt Related Accession #	P70444
NCBI Official Full Name	BH3-interacting domain death agonist
NCBI Official Synonym Full Names	BH3 interacting domain death agonist
NCBI Official Symbol	Bid
NCBI Official Synonym Symbols	AI875481; AU022477; 2700049M22Rik
UniProt Protein Name	BH3-interacting domain death agonist
UniProt Synonym Protein Names	p22 BID; BID
Protein Family	BH3-interacting domain death agonist
UniProt Gene Name	Bid
UniProt Synonym Gene Names	BID
UniProt Entry Name	BID_MOUSE
NCBI Protein Information	BH3-interacting domain death agonist; p22 BID

UniProt Comments for Bid	BID: a pro-apoptotic member of the Bcl-2 superfamily. Targets intracellular membranes and contains a BH3 death domain. Heterodimerizes with either the pro-apoptotic protein BAX or the anti-apoptotic protein BCL2, antagonizing its protective effect. The activity of BID is regulated by Caspase 8-mediated cleavage, exposing the BH3 domain and significantly changing the surface charge and hydrophobicity, causing translocation to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced variants have been found. Protein type: Apoptosis; Mitochondrial Cellular Component: membrane; mitochondrion; cell; cytoplasm; intracellular; cytosol Molecular Function: protein binding; ubiquitin protein ligase binding Biological Process: caspase activation; release of cytochrome c from mitochondria; positive regulation of apoptosis; positive regulation of protein homooligomerization; apoptosis; DNA damage response, signal transduction; regulation of protein oligomerization; regulation of cell proliferation; regulation of apoptosis; positive regulation of protein oligomerization; apoptotic mitochondrial changes; protein targeting to mitochondrion; protein homooligomerization
Research Articles on Bid	**1.** The assessment of p53 and p21 can be expensive, but it proves to be a useful tool in difficult cases. Positive reaction to p53 can be noted in both, benign and malignant ovarian tumors
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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