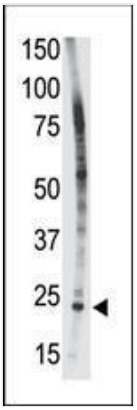
BID Antibody – Rabbit Polyclonal

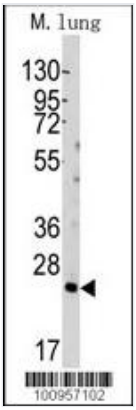
PRODUCT OVERVIEW

Product Name	Bid, Polyclonal Antibody
Full Product Name	Bid, BH3 Domain Specific (BID, BH3-interacting domain death agonist, p22 BID, BH3-interacting domain death agonist p15, p15 BID, BH3-interacting domain death agonist p13, p13 BID, BH3-interacting domain death agonist p11, p11 BID) (APC)
Product Gene Name	anti-BID antibody
Product Synonym Names	BID; BH3-interacting domain death agonist; p22 BID; BH3-interacting domain death agonist p15; p15 BID; BH3-interacting domain death agonist p13; p13 BID; BH3-interacting domain death agonist p11; p11 BID
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	21,995 Da
Chromosome Location	Chromosome: 22; NC_000022.10 (18216906..18257431, complement). Location: 22q11.1
OMIM	601997
3D Structure	ModBase 3D Structure for P55957
Immunogen	Bid antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78~108 amino acids from the BH3 domain of human Bid.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-BID antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-BID antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-BID antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-BID antibody	Bid is a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. Bid is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release.

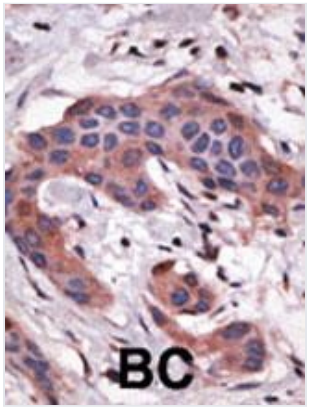
Product References and Citations for anti-BID antibody	Wang, X., et al., J. Biol. Chem. 278(31):29184-29191 (2003). Cartron, P.F., et al., Mol. Cell. Biol. 23(13):4701-4712 (2003). Fischer, B., et al., Biochem. Biophys. Res. Commun. 306(2):516-522 (2003). Degli Esposti, M., et al., J. Biol. Chem. 278(18):15749-15757 (2003). Kuwana, T., et al., Cell 111(3):331-342 (2002).
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	MBS6278385 is an antibody targeting BID. Also known as Bid, BH3 Domain Specific (BID, BH3-interacting domain death agonist, p22 BID, BH3-interacting domain death agonist p15, p15 BID, BH3-interacting domain death agonist p13, p13 BID, BH3-interacting domain death agonist p11, p11 BID) (APC). Reactive in Human, Mouse. Host: Rabbit.



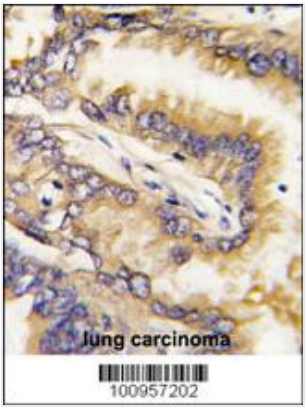
Western Blot (WB) of anti-BID antibody
The anti-Bid BH3 domain Pab is used in Western blot to detect Bid BH3 in HL-60 cell lysate.



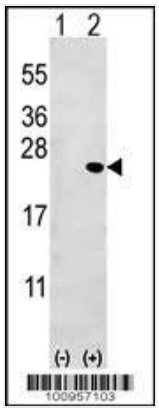
Western Blot (WB) of anti-BID antibody
Western blot analysis of anti-hBid-BH3 Pab in mouse lung tissue lysates (35ug/lane). hBid-BH3(arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-BID antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.



Immunohistochemistry (IHC) of anti-BID antibody
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with Bid BH3 Domain Antibody, 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.



Immunohistochemistry (IHC) of anti-BID antibody
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with Bid BH3 Domain Antibody, 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.

ADDITIONAL DETAILS

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

NCBI GI #	4557361
NCBI GeneID	637
NCBI Accession #	NP_001187.1
UniProt Primary Accession #	P55957
UniProt Secondary Accession #	Q549M7; Q71T04; Q7Z4M9; Q8IY86
UniProt Related Accession #	P55957
GenBank Nucleotide #	NM_001196.3
NCBI Official Full Name	BH3-interacting domain death agonist isoform 2
NCBI Official Synonym Full Names	BH3 interacting domain death agonist
NCBI Official Symbol	BID
NCBI Official Synonym Symbols	FP497
UniProt Protein Name	BH3-interacting domain death agonist
UniProt Synonym Protein Names	p22 BID; BIDCleaved into the following 3 chains:BH3-interacting domain death agonist p15; Alternative name(s):; p15 BIDBH3-interacting domain death agonist p13; Alternative name(s):; p13 BIDBH3-interacting domain death agonist p11; Alternative name(s):; p11 BID
Protein Family	BH3-interacting domain death agonist
UniProt Gene Name	BID
UniProt Synonym Gene Names	BID
UniProt Entry Name	BID_HUMAN
NCBI Protein Information	BH3-interacting domain death agonist; p22 BID; BID isoform Si6; BID isoform L(2); BID isoform ES(1b); desmocollin type 4; apoptic death agonist; Human BID coding sequence
NCBI Summary for BID	This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008]

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 Chromosomal Location of Human Ortholog: 22q11.1 Cellular Component: mitochondrial outer membrane; membrane; mitochondrion; cytosol Molecular Function: protein binding; ubiquitin protein ligase binding; death receptor binding Biological Process: caspase activation; release of cytochrome c from mitochondria; positive regulation of apoptosis; apoptosis; positive regulation of protein homooligomerization; DNA damage response, signal transduction; response to estradiol stimulus; regulation of cell proliferation; positive regulation of protein oligomerization; neuron apoptosis; apoptotic mitochondrial changes; induction of apoptosis via death domain receptors; brain development; protein targeting to mitochondrion; protein homooligomerization
Research Articles on BID	**1.** Diva binds peptides derived from the BH3 domain of several other proapoptotic Bcl-2 proteins, including mouse Harakiri, Bid, Bak and Bmf.
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