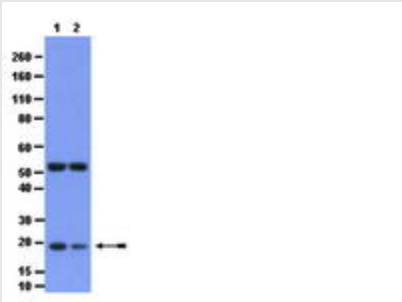
BID Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BID, Polyclonal Antibody
Full Product Name	BID, Phosphorylated (Ser61) (Bcl-2 Interacting Domain, BH3 Interacting Domain Death Agonist) (MaxLight 405)
Product Gene Name	anti-BID antibody
Product Synonym Names	Apoptotic Death Agonist BID; HGNC:1050; Human BID Coding Sequence; MGC15319; MGC42355; p22 BID
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 MaxLight405.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human 22kD phospho-Bid-S65 protein.
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: MaxLight405 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	Human Bid. Cellular Localization: Cytoplasm. Mitochondrion membrane.
Conjugate	MaxLight405
Positive Control	Jurkat Cell Lysate
Antigen Modification	Phosphorylated
Note	Preservative Free
Product Categories/Family for anti-BID antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-BID antibody	Western Blot (WB)
Application Notes for anti-BID antibody	WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-BID antibody	MBS6465301 is an antibody targeting BID. Also known as BID, Phosphorylated (Ser61) (Bcl-2 Interacting Domain, BH3 Interacting Domain Death Agonist) (MaxLight 405). Reactive in Human. Host: Rabbit.
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.



Western Blot (WB) of anti-BID antibody
Western Blot Analysis: Jurkat +/-Insulin lysate was resolved by electrophoresis, transferred to PVDF and probed with anti-phos-Bid-S65 (1:125). Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence detection system. Lane 1: Jurkat (-) insulin Lane 2: Jurkat (+) insulin Arrow indicates phospho-Bid-S65 (22kD)

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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