

Rabbit anti-Human, Rat BID Polyclonal Antibody | anti-BID antibody

Phospho-BID (Ser78) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329350	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

BID; Polyclonal Antibody; Phospho-BID (Ser78) Antibody; Apoptotic death agonist; Apoptotic death agonist BID; BH3 interacting domain death agonist; BH3 interacting domain death agonist p11; BH3 interacting domain death agonist p13; BH3 interacting domain death agonist p15; BH3-interacting domain death agonist p11; BID isoform ES (1b); BID isoform L (2); BID isoform Si6; BID_HUMAN; Desmocollin type 4; FP497; Human BID coding sequence; MGC15319; MGC42355; p11 BID; p13 BID; p15 BID; p22 BID; anti-BID antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-BID (Ser78) Antibody detects endogenous levels of BID only when phosphorylated at Ser78. Tissue Specificity: Isoform 2 and isoform 3 are expressed in spleen, bone marrow, cerebral and cerebellar cortex. Isoform 2 is expressed in spleen, pancreas and placenta (at protein level). Isoform 3 is expressed in lung, pancreas and spleen (at protein level). Isoform 4 is expressed in lung and pancreas (at protein level).
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-BID antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BID around the phosphorylation site of Ser78.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	TNF-alpha induces a caspase-mediated cleavage of p22 BID into a major p15 and minor p13 and p11 products.p15 BID is ubiquitinated by ITCH; ubiquitination results in proteasome-dependent degradation.
Subunit Structure	Forms heterodimers either with the pro-apoptotic protein BAX or the anti-apoptotic protein Bcl-2 (By similarity). p15 BID interacts with ITCH. Interacts with PLEKHN1.
Similarity	Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.
Subcellular Location	Cytoplasm. Mitochondrion membrane. Mitochondrion outer membrane. Note: When uncleaved, it is predominantly cytoplasmic.Mitochondrion membrane. Note: Translocates to mitochondria as an integral membrane protein.Mitochondrion membrane. Note: Associated with the mitochondrial membrane.Cytoplasm. Cytoplasm. Mitochondrion membrane. Note: A significant proportion of isoform 2 localizes to mitochondria, it may be cleaved constitutively.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
Staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from MCF7 cells(UV treatment), using Phospho-BID (Ser78) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BID antibody	The major proteolytic product p15 BID allows the release of cytochrome c (By similarity). Isoform 1, isoform 2 and isoform 4 induce ICE-like proteases and apoptosis. Isoform 3 does not induce apoptosis. Counters the protective effect of Bcl-2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557361
NCBI GeneID	637
NCBI Accession #	NP_001187.1
NCBI GenBank Nucleotide #	NM_001196.3
UniProt Accession #	P55957; Q549M7; Q71T04; Q7Z4M9; Q8IY86
Molecular Weight	21,995 Da
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
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
UniProt Protein Name	BH3-interacting domain death agonist
UniProt Gene Name	BID
UniProt Synonym Gene Names	BID
UniProt Entry Name	BID_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bid-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329350>