

Rabbit Bid Polyclonal Antibody | anti-Bid antibody

Anti-Bid Picoband Antibody

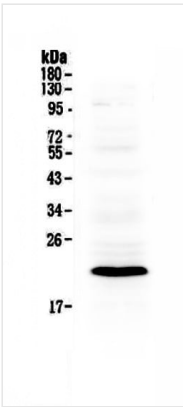
CATALOG # AAA124589	HOST Rabbit	REACTIVITY Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Bid; Polyclonal Antibody; Anti-Bid Picoband Antibody; BH3-interacting domain death agonist; p22 BID; 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; anti-Bid antibody

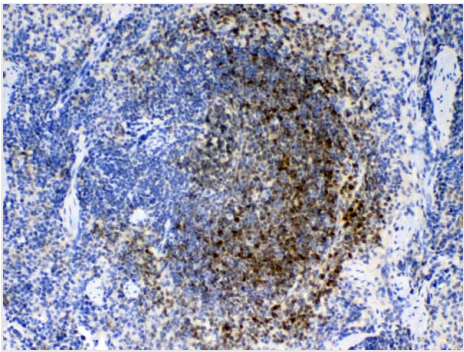
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	195
Applicable Applications for anti-Bid antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived mouse Bid recombinant protein (Position: M1-D195). Mouse Bid shares 64.6% and 87.2% amino acid (aa) sequence identity with human and rat Bid, respectively.
Subcellular Localization	Cytoplasm. Mitochondrion membrane. When uncleaved, it is predominantly cytoplasmic. p15 BID translocates to mitochondria as an integral membrane protein. p13 and p22 BID are associated with the mitochondrial membrane.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store 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.



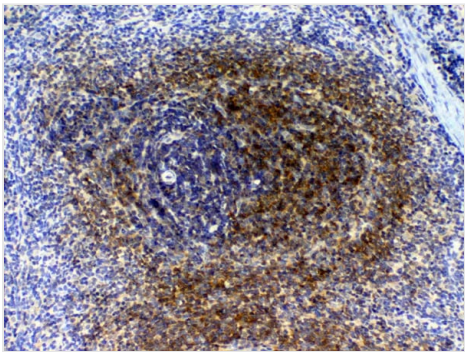
WB (Western Blot)

Figure 1. Western blot analysis of Bcl-2 using anti-Bcl-2 antibody (AAA124589).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: mouse brain tissue lysate.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Bcl-2 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Bcl-2 at approximately 22KD. The expected band size for Bcl-2 is at 22KD.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Bid using anti-Bid antibody (AAA124589).Bid was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Bid Antibody (AAA124589) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Bid using anti-Bid antibody (AAA124589).Bid was detected in paraffin-embedded section of rat spleen tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Bid Antibody (AAA124589) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-Bid antibody	Description: 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, the human BID gene is mapped to 22q11. It is 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. Protein Function: Induces caspases and apoptosis. Counters the protective effect of Bcl-2. The major proteolytic product p15 BID allows the release of cytochrome c.
Product Categories/Family for anti-Bid antibody	Cell Biology; Apoptosis; Intracellular; BCL2 Family; Cancer; Invasion/Microenvironment; BCL 2 Family; Metabolism; Pathways and Processes; Metabolism Processes; Cell Death; Apoptotic Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542228
NCBI GeneID	12122
NCBI Accession #	NP_031570.2
NCBI GenBank Nucleotide #	NM_007544.3
UniProt Accession #	P70444; Q99M39
Molecular Weight	21952 MW
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
NCBI Protein Information	BH3-interacting domain death agonist
UniProt Protein Name	BH3-interacting domain death agonist
UniProt Gene Name	Bid
UniProt Synonym Gene Names	BID

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://www.aaabiotech.com/polyclonal/bid-antibody-western-blot-immunohistochemistry-elisa/124589>