

Anti-Bid Picoband Antibody

Catalog # ABO12876

Product Information

Application	WB, IHC-P
Primary Accession	P70444
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for BH3-interacting domain death agonist(Bid) detection. Tested with WB, IHC-P in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	12122
Other Names	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, Bid
Calculated MW	21952
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Mouse,
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.
Source	Eukaryota
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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Protein Information

Name	Bid
Function	Induces caspases and apoptosis. Counters the protective effect of BCL2.
Cellular Location	Cytoplasm. Mitochondrion membrane. Mitochondrion outer membrane {ECO:0000250 UniProtKB:P55957}. Note=When uncleaved, it is predominantly cytoplasmic. [BH3-interacting domain death agonist p13]: Mitochondrion membrane. Note=Associated with the mitochondrial membrane.

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, 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.

Images

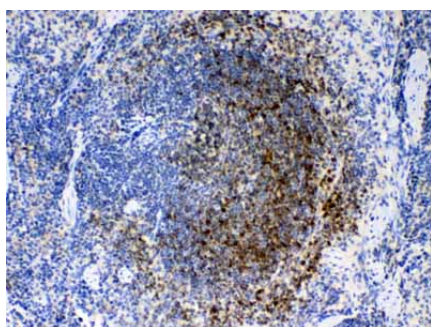
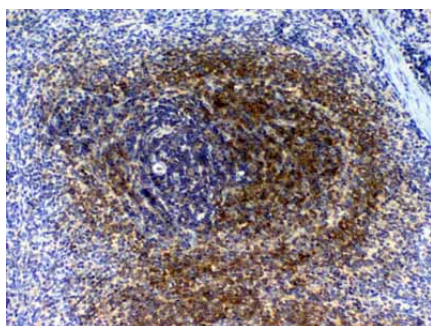


Figure 2. IHC analysis of Bid using anti-Bid antibody (ABO12876).





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