

Anti-Bid Antibody
Catalog # ABO11322**Specification**

Anti-Bid Antibody - 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.

Anti-Bid Antibody - 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 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Mouse, Rat

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.

Protein Name

BH3-interacting domain death agonist

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of mouse Bid(179-195aa NQNLFYSYVRNLVRNEMD), different from the related rat sequence by one amino acid.

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.

Anti-Bid Antibody - Protein Information**Name** Bid**Function**

Induces caspases and apoptosis. Counters the protective effect of BCL2.

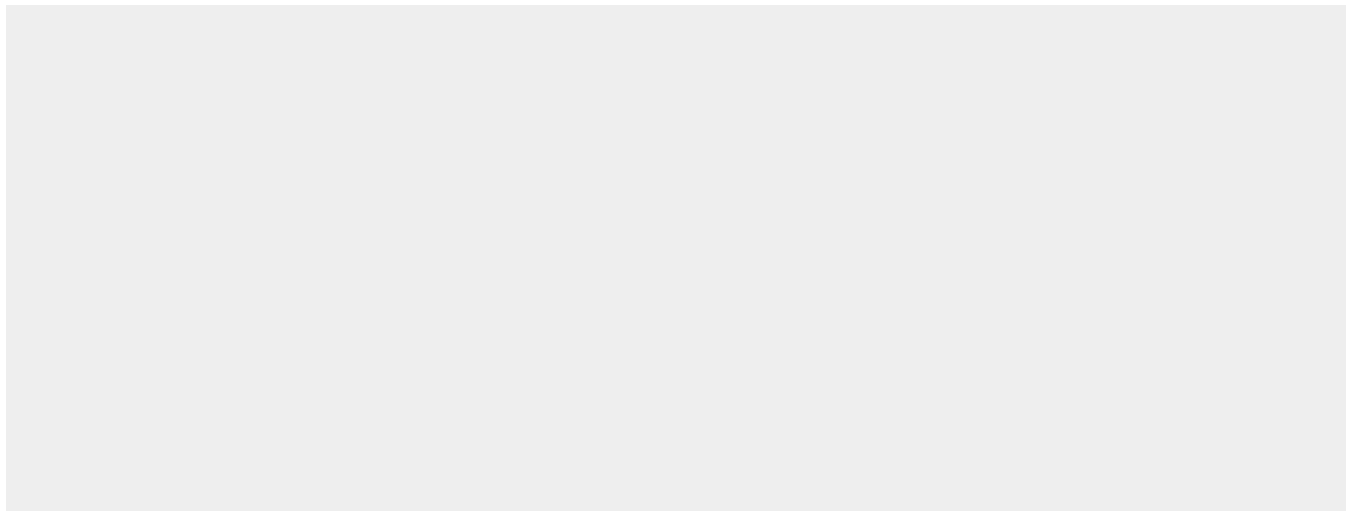
Cellular Location

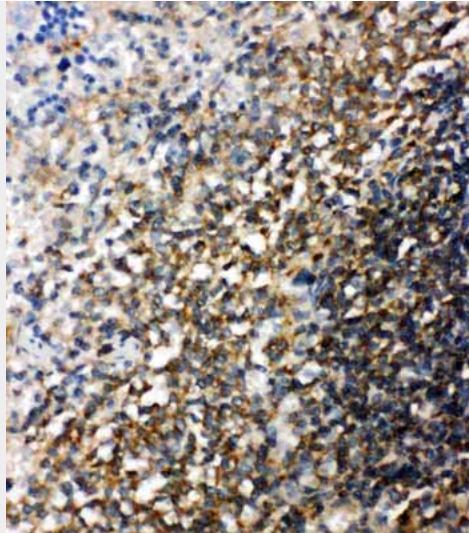
Cytoplasm. Mitochondrion membrane. Mitochondrion outer membrane {ECO:0000250|UniProtKB:P55957}. Note=When uncleaved, it is predominantly cytoplasmic. [BH3-interacting domain death agonist p13]: Mitochondrion membrane. Note=Associated with the mitochondrial membrane.

Anti-Bid Antibody - Protocols

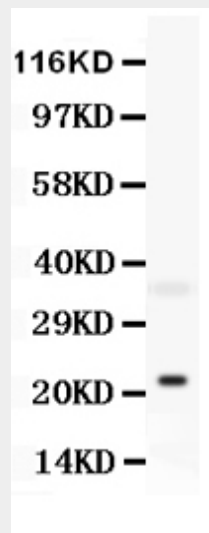
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Bid Antibody - Images



Anti-Bid antibody, ABO11322, IHC(P)IHC(P): Rat Spleen Tissue



Anti-Bid antibody, ABO11322, Western blottingAll lanes: Anti Bid(ABO11322) at 0.5ug/mlWB: Mouse Brain Tissue Lysate at 50ugPredicted bind size: 22KDObserved bind size: 22KD

Anti-Bid Antibody - 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, Wang et al.(1998) mapped the human BID gene to 22q11. Luo et al.(1998) 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.