

Anti-Bid Antibody

Catalog Number: A00730-1

About BID

Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer. The Bcl-2 family of proteins is comprised of critical regulators of apoptosis that can be divided into two classes: those that inhibit apoptosis and those that promote cell death. Bid, a pro-apoptotic Bcl-2 family member, is cleaved by caspase-8 in response to apoptotic signals, exposing the Bcl-2 homology 3 (BH3) domain which is normally buried in the full-length protein. The cleaved complex is myristoylated and translocated to the mitochondrial membrane where it may induce mitochondrial Bax and Bak to oligomerize.

Overview

Product Name	Anti-Bid Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Bid Antibody (Catalog # A00730-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Bid Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Bid antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P55957

Technical Details

Immunogen	Bid antibody was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human Bid. The immunogen is located within amino acids 120 - 170 of Bid.
Predicted Reactive Species	Rabbit
Cross Reactivity	ROCK1 antibody is predicted to not cross-react with other ROCK protein family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Bid Antibody is Ion exchange chromatography purified.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

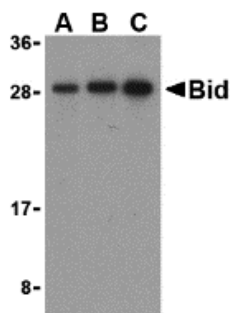
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

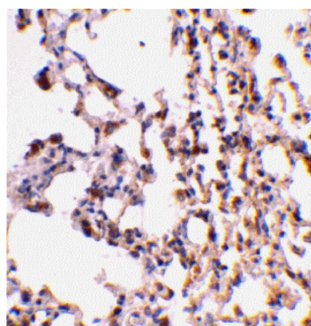
Bid antibody can be used for detection of Bid by Western blot at 0.5 to 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 10 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

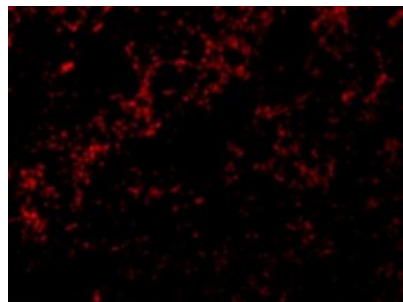
Anti-Bid Antibody (A00730-1) Images



Western blot analysis of Bid in mouse lung cell lysates with Bid antibody at (A) 0.5



Immunohistochemical staining of mouse lung tissue using Bid antibody at 2 ug/mL.



Immunofluorescence of Bid in Mouse Lung cells with Bid antibody at 10 ug/mL.

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