

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

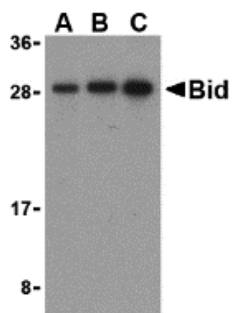
Product Name	Anti-Bid Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Bid Antibody (Catalog # A00730-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Bid Antibody is supplied in 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

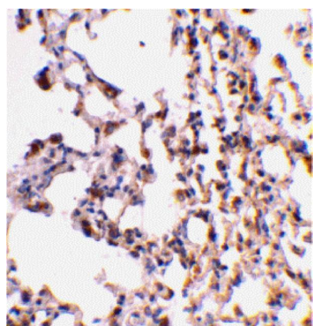
Immunogen	Bid antibody was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human Bid. The immunogen is located within amino acids 120 - 170 of Bid.
Predicted Reactive Species	Rabbit
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Bid Antibody is Ion exchange chromatography purified.
Suggested Dilutions	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.

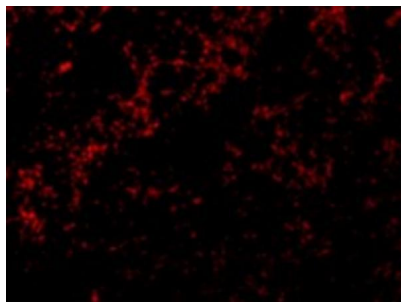
Anti-Bid Antibody (A00730-1) Images



Western blot analysis of Bid in mouse lung cell lysates with Bid antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



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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Anti-Bid Antibody

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