

Bid Antibody

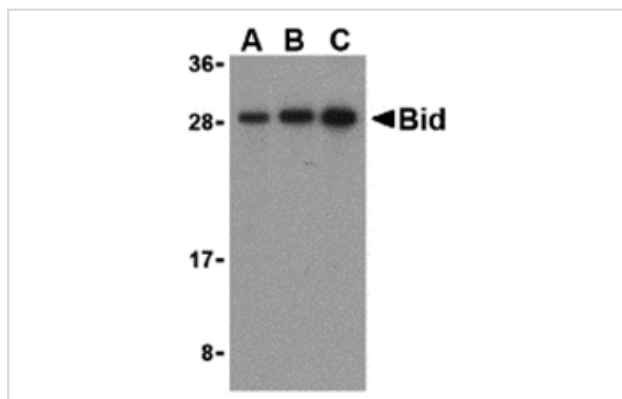
Catalog No: #24251

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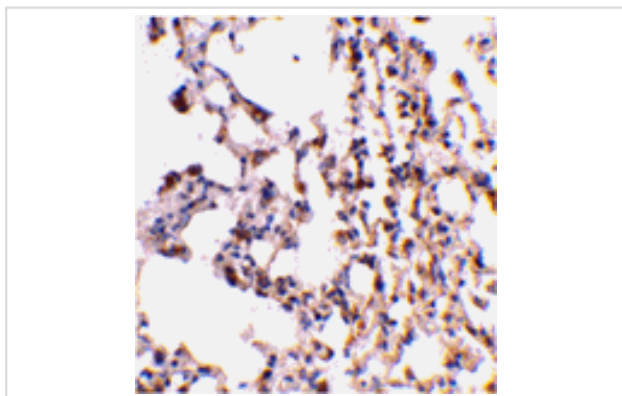
Description

Product Name	Bid Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Ion exchange chromatography purified
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human Bid.
Target Name	Bid
Accession No.	Swiss-Prot:P55957Gene ID:637
Uniprot	P55957
GeneID	637;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

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.

Background

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.

Note: This product is for in vitro research use only