

Bid Antibody (BH3 Domain Specific)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1307a

Specification

Bid Antibody (BH3 Domain Specific) - Product Information

Application	WB, IHC-P,E
Primary Accession	P55957
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	68-103

Bid Antibody (BH3 Domain Specific) - Additional Information

Gene ID 637

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

Target/Specificity

This Bid antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-103 amino acids from human Bid.

Dilution

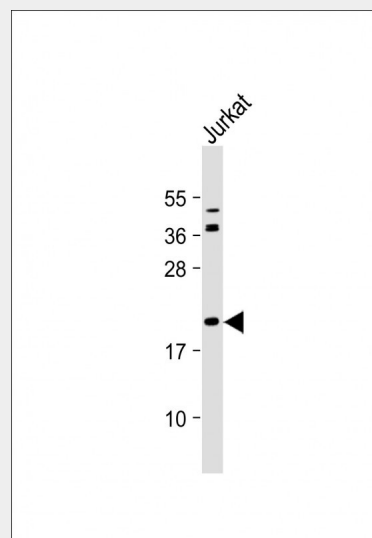
WB~~1:1000
IHC-P~~1:50~100

Format

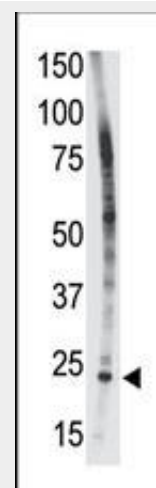
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Anti-Bid Antibody (BH3 Domain Specific) at 1:2000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



The anti-Bid BH3 domain Pab (Cat. #AP1307a) is used in Western blot to detect Bid BH3 in HL-60 cell lysate.

Precautions

Bid Antibody (BH3 Domain Specific) is for research use only and not for use in diagnostic or therapeutic procedures.

Bid Antibody (BH3 Domain Specific) - Protein Information

Name BID

Function

The major proteolytic product p15 BID allows the release of cytochrome c (By similarity). Isoform 1, isoform 2 and isoform 4 induce ICE-like proteases and apoptosis. Isoform 3 does not induce apoptosis. Counters the protective effect of Bcl-2.

Cellular Location

Cytoplasm. Mitochondrion membrane. Mitochondrion outer membrane.
Note=When uncleaved, it is predominantly cytoplasmic. [BH3-interacting domain death agonist p13]: Mitochondrion membrane {ECO:0000250|UniProtKB:P70444}.
Note=Associated with the mitochondrial membrane.
{ECO:0000250|UniProtKB:P70444} [Isoform 3]: Cytoplasm

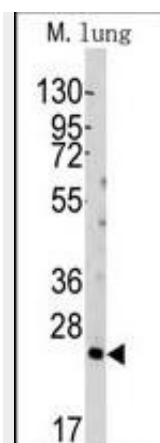
Tissue Location

Isoform 2 and isoform 3 are expressed in spleen, bone marrow, cerebral and cerebellar cortex. Isoform 2 is expressed in spleen, pancreas and placenta (at protein level). Isoform 3 is expressed in lung, pancreas and spleen (at protein level). Isoform 4 is expressed in lung and pancreas (at protein level)

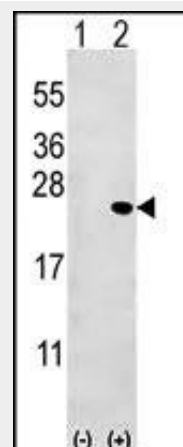
Bid Antibody (BH3 Domain Specific) - Protocols

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

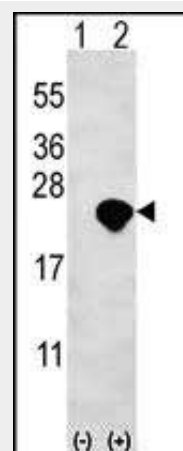
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



Western blot analysis of anti-hBid-BH3 Pab (Cat. #AP1307a) in mouse lung tissue lysates (35ug/lane). hBid-BH3 (arrow) was detected using the purified Pab.

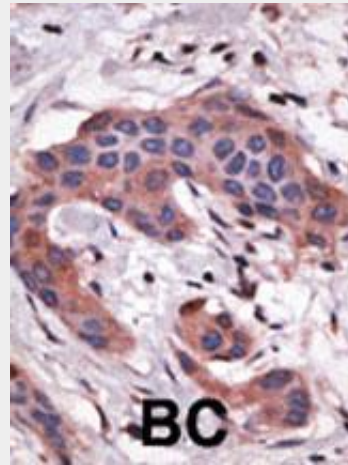


Western blot analysis of Bid (arrow) using rabbit polyclonal Bid Antibody (BH3) (Cat.#AP1307a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Bid gene.

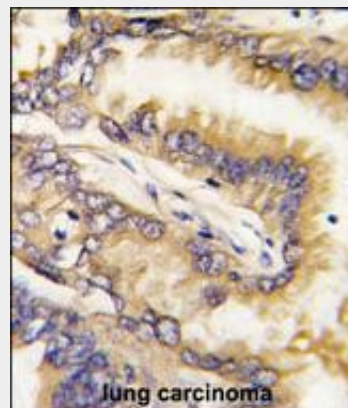


Western blot analysis of Bid (arrow) using rabbit polyclonal Bid Antibody (BH3)

(Cat.#AP1307a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Bid gene.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with Bid BH3 Domain Antibody (Cat.#AP1307a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Bid Antibody (BH3 Domain Specific) - Background

Bid is a death agonist that heterodimerizes

with either agonist BAX or antagonist BCL2. Bid is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release.

Bid Antibody (BH3 Domain Specific) - References

Wang, X., et al., J. Biol. Chem. 278(31):29184-29191 (2003). Cartron, P.F., et al., Mol. Cell. Biol. 23(13):4701-4712 (2003). Fischer, B., et al., Biochem. Biophys. Res. Commun. 306(2):516-522 (2003). Degli Esposti, M., et al., J. Biol. Chem. 278(18):15749-15757 (2003). Kuwana, T., et al., Cell 111(3):331-342 (2002).

Bid Antibody (BH3 Domain Specific) - Citations

- [ALS-linked mutant SOD1 damages mitochondria by promoting conformational changes in Bcl-2.](#)
- [In vitro cytotoxic effect of proteasome inhibitor bortezomib in combination with purine nucleoside analogues on chronic lymphocytic leukaemia cells.](#)