

# Bid Antibody (BH3 Domain Specific)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1307a

## Product Information

---

<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P55957</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	21995
<b>Antigen Region</b>	68-103

## Additional Information

---

<b>Gene ID</b>	637
<b>Other Names</b>	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
<b>Target/Specificity</b>	This Bid antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-103 amino acids from human Bid.
<b>Dilution</b>	WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	Bid Antibody (BH3 Domain Specific) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	BID
<b>Function</b>	Induces caspases and apoptosis (PubMed: <a href="#">14583606</a> ). Counters the protective effect of BCL2 (By similarity).
<b>Cellular Location</b>	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]: Expressed in spleen, pancreas and placenta (at protein level).  
[Isoform 4]: Expressed in lung and pancreas (at protein level).

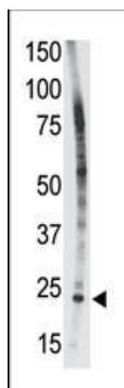
## Background

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.

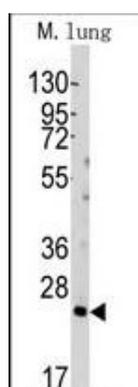
## References

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).

## Images

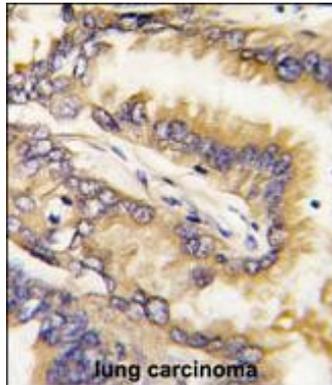
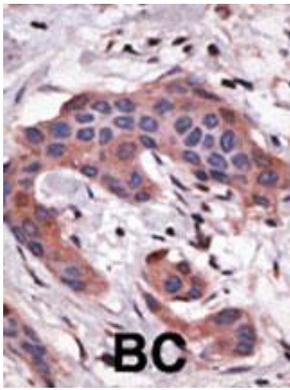


The anti-Bid BH3 domain Pab (Cat. #AP1307a) is used in Western blot to detect Bid BH3 in HL-60 cell lysate.

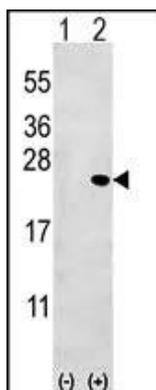


Western blot analysis of anti-hBid-BH3 Pab (Cat. #AP1307a) in mouse lung tissue lysates (35ug/lane). hBid-BH3(arrow) was detected using the purified Pab.

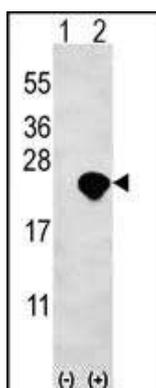
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast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



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.

## Citations

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.