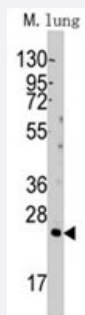


BID polyclonal antibody

Catalog # PAB2442

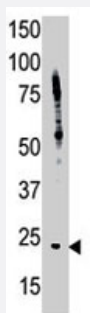
Size 400 uL

Applications



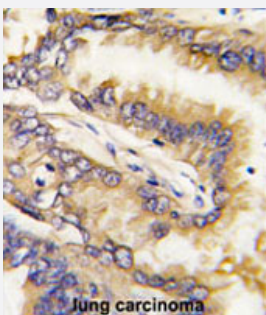
Western Blot (Tissue lysate)

Western blot analysis of BID polyclonal antibody (Cat # PAB2442) in mouse lung tissue lysates (35 ug/lane). BID (arrow) was detected using the purified polyclonal antibody.



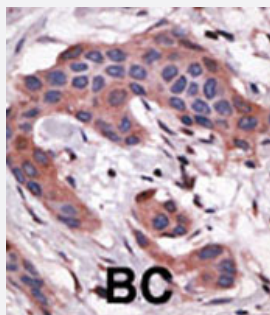
Western Blot (Cell lysate)

The BID polyclonal antibody (Cat # PAB2442) is used in Western blot to detect BID in HL-60 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with BID polyclonal antibody (Cat # PAB2442), 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the BID polyclonal antibody (Cat # PAB2442) , 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BID.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to the BH3 domain of human BID.
Host	Rabbit
Reactivity	Human
Specificity	BH3 Domain Specific
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

• Western Blot (Tissue lysate)

Western blot analysis of BID polyclonal antibody (Cat # PAB2442) in mouse lung tissue lysates (35 ug/lane). BID (arrow) was detected using the purified polyclonal antibody.

- Western Blot (Cell lysate)

The BID polyclonal antibody (Cat # PAB2442) is used in Western blot to detect BID in HL-60 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with BID polyclonal antibody (Cat # PAB2442) , 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.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the BID polyclonal antibody (Cat # PAB2442) , 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.

Gene Info — BID

Entrez GeneID [637](#)

Protein Accession# [NP_001187:P55957](#)

Gene Name BID

Gene Alias FP497, MGC15319, MGC42355

Gene Description BH3 interacting domain death agonist

Omim ID [601997](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein 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. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq]

Other Designations BH3-interacting domain death agonist|BID isoform ES(1b)|BID isoform L(2)|BID isoform Si6|Human BID coding sequence|OTTHUMP00000196197|apoptotic death agonist|desmocollin type 4

Publication Reference

- [Nonredundant role of Bax and Bak in Bid-mediated apoptosis.](#)

Cartron PF, Juin P, Oliver L, Martin S, Meflah K, Vallette FM.

Molecular and Cellular Biology 2003 Jul; 23(13):4701.

Application: WB-Ce, Human, BeGBM, BdGBM cells

- [Caspase 8-mediated cleavage of the pro-apoptotic BCL-2 family member BID in p53-dependent apoptosis.](#)

Fischer B, Coelho D, Dufour P, Bergerat JP, Denis JM, Gueulette J, Bischoff P.

Biochemical and Biophysical Research Communications 2003 Jun; 306(2):516.

- [Necrotic cell death in response to oxidant stress involves the activation of the apoptogenic caspase-8/bid pathway.](#)

Wang X, Ryter SW, Dai C, Tang ZL, Watkins SC, Yin XM, Song R, Choi AM.

The Journal of Biological Chemistry 2003 Aug; 278(31):29184.

Application: WB, Human, Mouse, A-549 cells, Lungs

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Natural killer cell mediated cytotoxicity](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Clubfoot](#)

- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphatic Metastasis](#)
- [Neoplasm Metastasis](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)