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 paraffinembedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with BID polyclonal antibody (Cat # PAB2442), which was peroxidaseconjugated 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 paraffinembedded 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 shoul d be handled by trained staff only.

Applications

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Gene Info — BID	
Entrez GenelD	<u>637</u>
Protein Accession#	<u>NP_001187;P55957</u>
Gene Name	BID
Gene Alias	FP497, MGC15319, MGC42355
Gene Description	BH3 interacting domain death agonist
Omim ID	<u>601997</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist B CL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediat or of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded prote in, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c releas e. Multiple alternatively spliced transcript variants have been found, but the full-length nature of so me 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 Hum an BID coding sequence OTTHUMP00000196197 apoptic 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
- <u>p53 signaling pathway</u>
- Pathways in cancer

Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- <u>Cardiovascular Diseases</u>
- Clubfoot

😵 Abnova

Product Information

- <u>Colorectal Neoplasms</u>
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Kidney Failure
- Lymphatic Metastasis
- <u>Neoplasm Metastasis</u>
- Stomach Neoplasms
- Tobacco Use Disorder