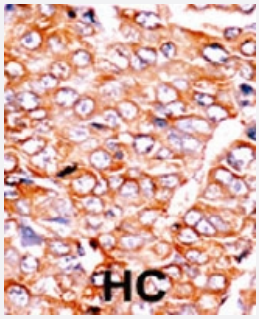
BID (phospho S65) polyclonal antibody

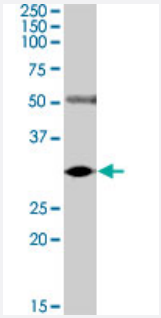
Catalog # PAB0419 Size 400 uL

Applications



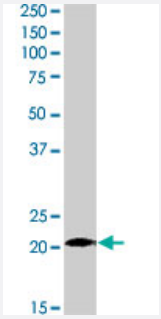
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with BID (phospho S65) polyclonal antibody (Cat # PAB0419) which was peroxidase-conjugated to the secondary antibody followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.



Western Blot (Tissue lysate)

BID (phospho S65) polyclonal antibody (Cat # PAB0419). Western blot analysis of BID expression in human colon.



Western Blot (Cell lysate)

BID (phospho S65) polyclonal antibody (Cat # PAB0419). Western blot analysis of BID expression in Jurkat.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of BID.

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Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S65 of human BID.
Host	Rabbit
Reactivity	Human
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

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

  Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with BID (phospho S65) polyclonal antibody (Cat # PAB0419) which was peroxidase-conjugated to the secondary antibody followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

- Western Blot (Tissue lysate)

  BID (phospho S65) polyclonal antibody (Cat # PAB0419). Western blot analysis of BID expression in human colon.

  Protocol Download

- Western Blot (Cell lysate)

  BID (phospho S65) polyclonal antibody (Cat # PAB0419). Western blot analysis of BID expression in Jurkat.

  Protocol Download

Gene Info — BID

Entrez GeneID	637

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Protein Accession#	NP_932070;P55957-2
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 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

- The interaction between tBid and cardiolipin or monolysocardiolipin.

  Liu J, Durrant D, Yang HS, He Y, Whitby FG, Myszka DG, Lee RM.

  Biochemical and Biophysical Research Communications 2005 May; 330(3):865.

- Specific cleavage of Mcl-1 by caspase-3 in tumor necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced apoptosis in Jurkat leukemia T cells.

  Weng C, Li Y, Xu D, Shi Y, Tang H.

  The Journal of Biological Chemistry 2005 Mar; 280(11):10491.

- Bid mediates apoptotic synergy between tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) and DNA damage.

  Broaddus VC, Dansen TB, Abayasiriwardana KS, Wilson SM, Finch AJ, Swigart LB, Hunt AE, Evan GI.

  The Journal of Biological Chemistry 2005 Apr; 280(13):12486.

Pathway

- Amyotrophic lateral sclerosis (ALS)

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- 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

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