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Datasheet

BID polyclonal antibody

Catalog Number: PAB2442

Regulatory Status: For research use only (RUO)

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

Applications: IHC-P, WB-Ce, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

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.

Entrez GeneID: 637

Gene Symbol: BID

Gene Alias: FP497, MGC15319, MGC42355

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]

References:

1. Nonredundant role of Bax and Bak in Bid-mediated apoptosis. Cartron PF, Juin P, Oliver L, Martin S, Meflah K, Vallette FM. Mol Cell Biol. 2003 Jul;23(13):4701-12.
2. 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. Biochem Biophys Res Commun. 2003 Jun 27;306(2):516-22.
3. 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. J Biol Chem. 2003 Aug 1;278(31):29184-91. Epub 2003 May 15.