

Human BID antibody

Catalog Number: ABI0923

PRODUCT INFORMATION

Catalog number

ABI0923

Clone No.

4D3

Product type

Monoclonal Antibody

UnitProt No.

P55957

NCBI Accession No.

NP_001187

Alternative Names

BH3 interacting domain death agonist isoform 2, FP497, MGC15319, MGC42355, BH3 interacting domain death agonist isoform 2, BID, BH3 interacting domain death agonist isoform 2 Apoptotic death agonist, Apoptotic death agonist BID, BH3 interacting domain death agonist, HGNC:1050, BH3 interacting domain death agonist p11, BH3 interacting domain death agonist p13, BH3 interacting domain death agonist p15, BID isoform ES(1b), BID isoform L(2), Desmocollin type 4, Human BID coding sequence, OTTHuMP00000196197, p11 BID, p13 BID, p15 BID, p22 BID

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human BID (1-195aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, ICC/IF

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Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

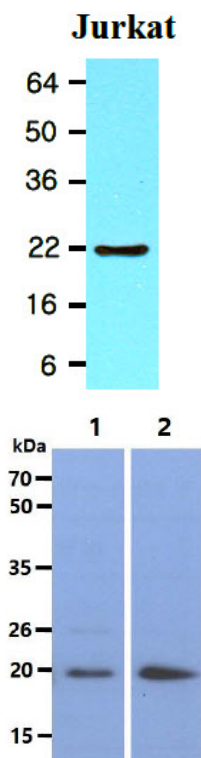
BID is a pro-apoptotic Bcl-2 protein containing only the BH3 domain. In response to apoptotic signaling, BID interacts with another Bcl-2 family protein, Bax, leading to the insertion of Bax into the outer mitochondrial membrane. Bax is believed to induce the opening of the mitochondrial voltage-dependent anion channel. This results in the release of cytochrome c and other pro-apoptotic factors from the mitochondria leading to activation of caspases.

General References

- Zha J., et al. (2000) Science. 290:1761.
- Luo X., et al. (1998) Cell. 94:481.
- Li H., et al. (1998) Cell. 94:491.

DATA

Western blot analysis (WB)



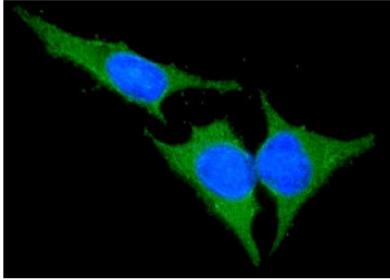
The Jurkat cell lysate(20ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BID antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BID antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: HeLa cell lysate
Lane 2.: A549 cell lysate

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Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of BID in HeLa cells. The cell was stained with ABI0923 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).