

# Human BID antibody

Catalog Number: ABI0923

## PRODUCT INFORMATION

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**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

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**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

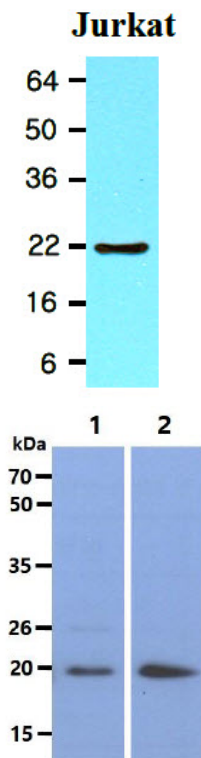
BID is a pro-apoptotic Bcl-2 protein containing only the BH3 domain. In response to apoptotic signaling, BID interacts with another Bcl-2 family protein, Bax, leading to the insertion of Bax into the outer mitochondrial membrane. Bax is believed to induce the opening of the mitochondrial voltage-dependent 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)



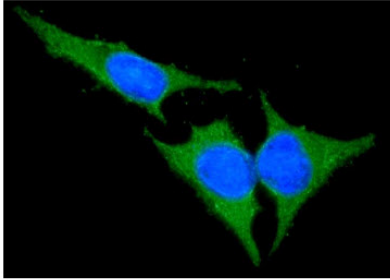
The Jurkat cell lysate(20ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BID antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

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).