

**BID Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1549a**

**Specification**

**BID Antibody - Product Information**

Application	<b>E, WB, IHC, IF, FC</b>
Primary Accession	<a href="#">P55957</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>22kDa KDa</b>

**Description**

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. Tissue specificity: Isoform 2 and isoform 3 are expressed in spleen, bone marrow, cerebral and cerebellar cortex. Isoform 2 is expressed in spleen, pancreas and placenta (at protein level). Isoform 3 is expressed in lung, pancreas and spleen (at protein level). Isoform 4 is expressed in lung and pancreas (at protein level)

**Immunogen**

Purified recombinant fragment of human BID expressed in E. Coli. <br />

**Formulation**

Ascitic fluid containing 0.03% sodium azide.

**BID Antibody - Additional Information**

**Gene ID** 637

**Other Names**

BH3-interacting domain death agonist, p22 BID, BID, BH3-interacting domain death agonist p15, p15 BID, BH3-interacting domain death agonist p13, p13 BID, BH3-interacting domain death agonist p11, p11 BID, BID

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
IHC~~1/500 - 1/2000  
IF~~1/200 - 1/1000  
FC~~1/200 - 1/400

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Precautions

BID Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## BID Antibody - Protein Information

**Name** BID

### Function

Induces caspases and apoptosis (PubMed:<a href="http://www.uniprot.org/citations/14583606" target="\_blank">14583606</a>). Counters the protective effect of BCL2 (By similarity).

### Cellular Location

Cytoplasm. Mitochondrion membrane. Mitochondrion outer membrane. Note=When uncleaved, it is predominantly cytoplasmic. [BH3-interacting domain death agonist p13]: Mitochondrion membrane {ECO:0000250|UniProtKB:P70444}. Note=Associated with the mitochondrial membrane. {ECO:0000250|UniProtKB:P70444} [Isoform 3]: Cytoplasm

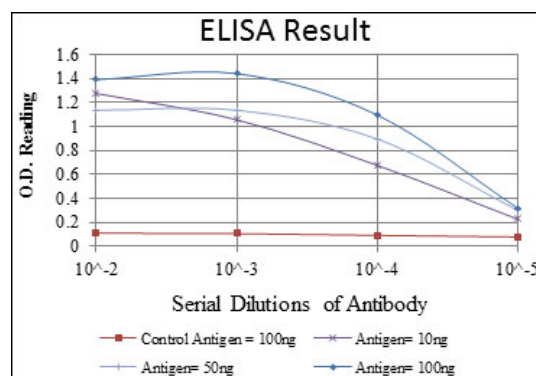
### Tissue Location

[Isoform 2]: Expressed in spleen, pancreas and placenta (at protein level). [Isoform 4]: Expressed in lung and pancreas (at protein level).

## BID Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



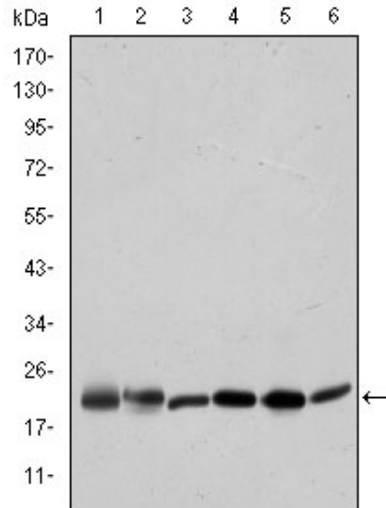


Figure 1: Western blot analysis using BID mouse mAb against Hela (1), A431 (2), Jurkat (3), A549 (4), HepG2 (5), and HEK293 (6) cell lysate.

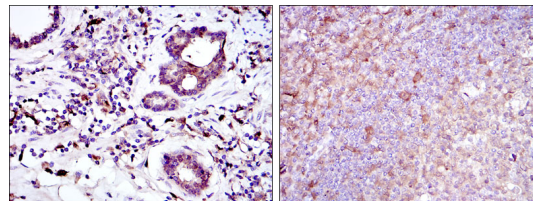


Figure 2: Immunohistochemical analysis of paraffin-embedded prostate tissues (left) and tonsil tissues (right) using BID mouse mAb with DAB staining.

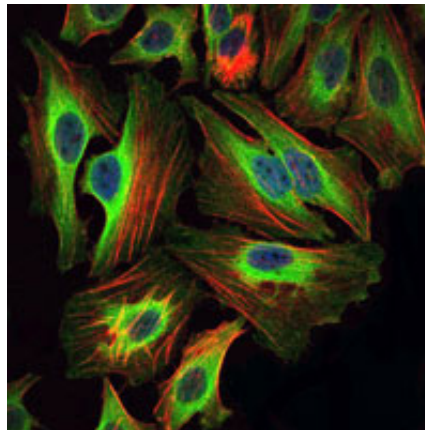


Figure 3: Immunofluorescence analysis of Hela cells using BID mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

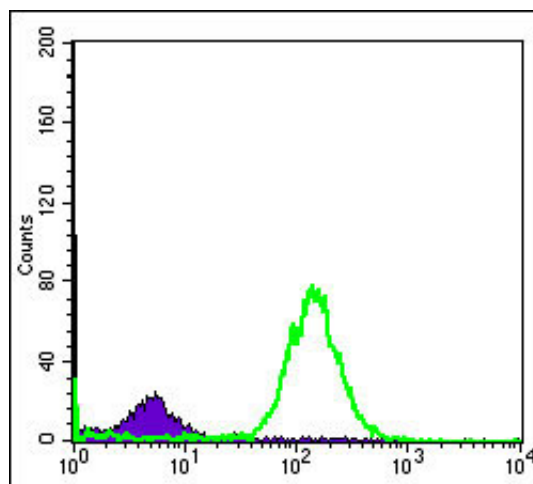


Figure 4: Flow cytometric analysis of Hela cells using BID mouse mAb (green) and negative control (purple).

#### BID Antibody - References

1. Photochem Photobiol. 2008 Jan-Feb;84(1):250-7.
2. Cell Signal. 2007 Dec;19(12):2468-78.