

BID Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1549a

Specification

BID Antibody - Product Information

Application	E, WB, IHC, IF, FC
Primary Accession	P55957
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	22kDa KDa

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.

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:14583606). 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

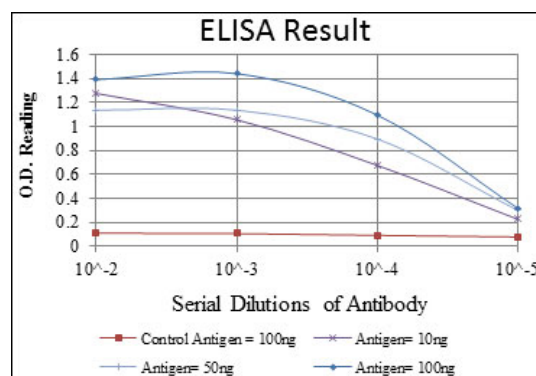
Tissue Location

[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](#)



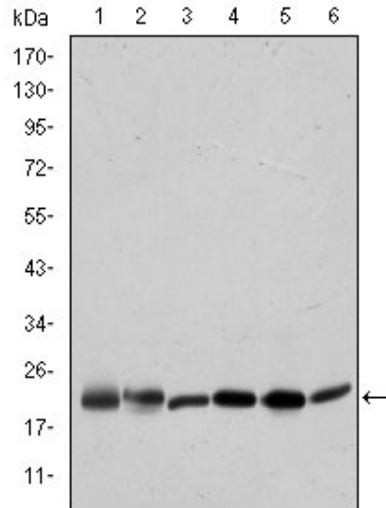


Figure 1: Western blot analysis using BID mouse mAb against Hela (1), A431 (2), Jurkat (3), A549 (4), HepG2 (5), and HEK293 (6) cell lysate.

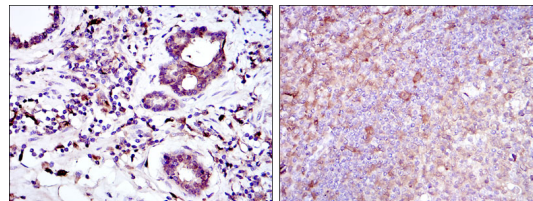


Figure 2: Immunohistochemical analysis of paraffin-embedded prostate tissues (left) and tonsil tissues (right) using BID mouse mAb with DAB staining.

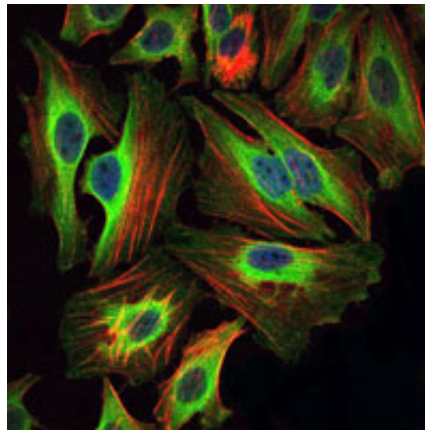


Figure 3: Immunofluorescence analysis of Hela cells using BID mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

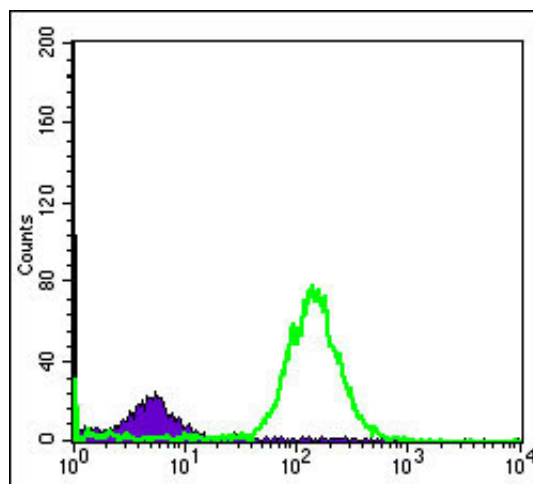


Figure 4: Flow cytometric analysis of Hela cells using BID mouse mAb (green) and negative control (purple).

BID Antibody - References

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