

**BID Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8474b****Specification**

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**BID Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>WB, IHC-P, IF,E</b> |
| Primary Accession | <a href="#">P55957</a> |
| Reactivity        | <b>Human</b>           |
| Host              | <b>Mouse</b>           |
| Clonality         | <b>monoclonal</b>      |
| Isotype           | <b>IgG1,k</b>          |
| Calculated MW     | <b>21995</b>           |

**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

**Target/Specificity**

This BID antibody is generated from a mouse immunized with a recombinant protein of human BID.

**Dilution**

WB~~1:500-2000

IHC-P~~1:25

IF~~1:25

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. 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**

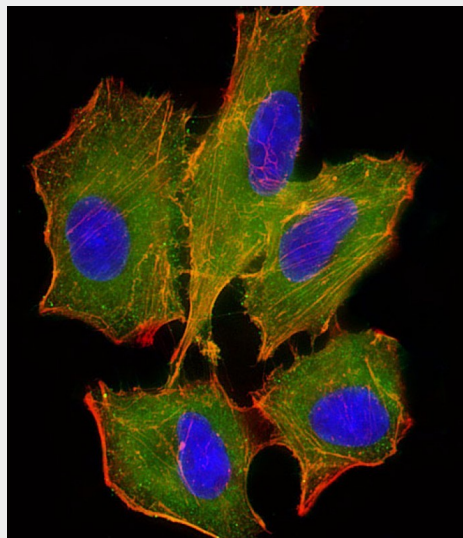
[Isoform 2]: Expressed in spleen, pancreas and placenta (at protein level). [Isoform 4]: Expressed in lung and pancreas (at protein level).

### **BID Antibody - Protocols**

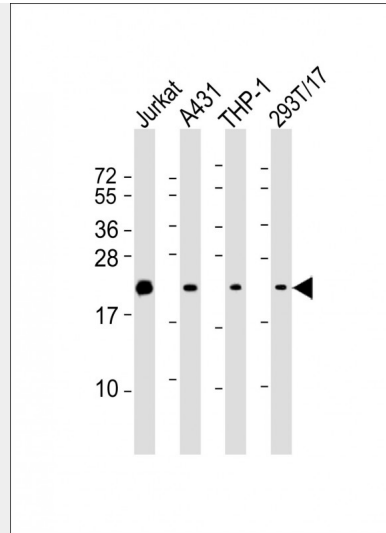
Provided below are standard protocols that you may find useful for product applications.

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

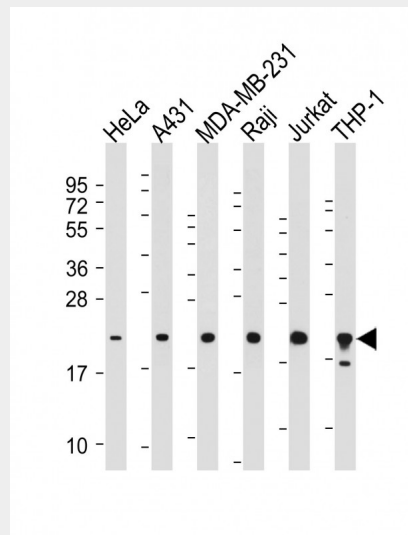
### **BID Antibody - Images**



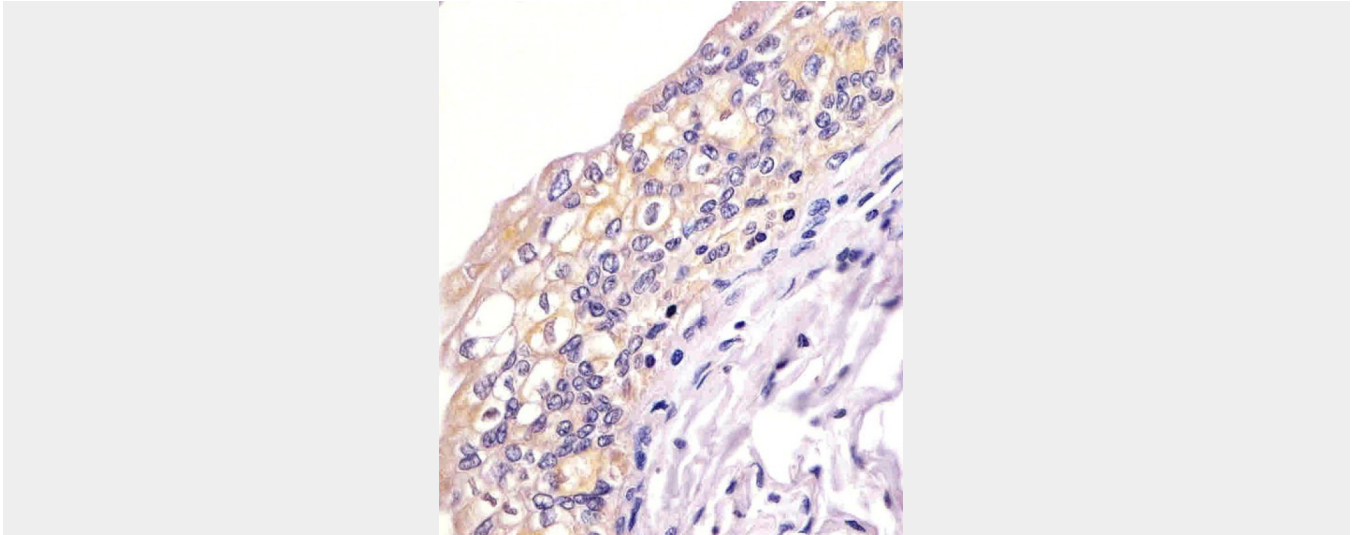
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized A549 (human lung adenocarcinoma epithelial cell line) cells labeling BID with AM8474b at 1/25 dilution, followed by DyLight® 488-conjugated goat anti-mouse IgG (NA166821) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on A549 cell line. Cytoplasmic actin is detected with DyLight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



All lanes : Anti-BID Antibody at 1:4000 dilution Lane 1: Jurkat whole cell lysates Lane 2: A431 whole cell lysates Lane 3: THP-1 whole cell lysates Lane 4: 293T/17 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



All lanes : Anti-BID Antibody at 1:500-2000 dilution Lane 1: HeLa whole cell lysate Lane 2: A431 whole cell lysate Lane 3: MDA-MB-231 whole cell lysate Lane 4: Raji whole cell lysate Lane 5: Jurkat whole cell lysate Lane 6: THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



AM8474b staining BID in human bladder sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **BID Antibody - Background**

The major proteolytic product p15 BID allows the release of cytochrome c (By similarity). Isoform 1, isoform 2 and isoform 4 induce ICE-like proteases and apoptosis. Isoform 3 does not induce apoptosis. Counters the protective effect of Bcl-2.

#### **BID Antibody - References**

Wang K., et al. *Genes Dev.* 10:2859-2869(1996).  
Footz T.K., et al. *Genomics* 51:472-475(1998).  
Renshaw S.A., et al. *J. Biol. Chem.* 279:2846-2855(2004).  
Dai F.Y., et al. Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.  
Collins J.E., et al. *Genome Biol.* 5:R84.1-R84.11(2004).