

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

Specification

BID Antibody - Product Information

Application	IF, WB, IHC-P,E
Primary Accession	P55957
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Calculated MW	21995

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

IF~~1:25
 WB~~1:4000
 IHC-P~~1:25

Format

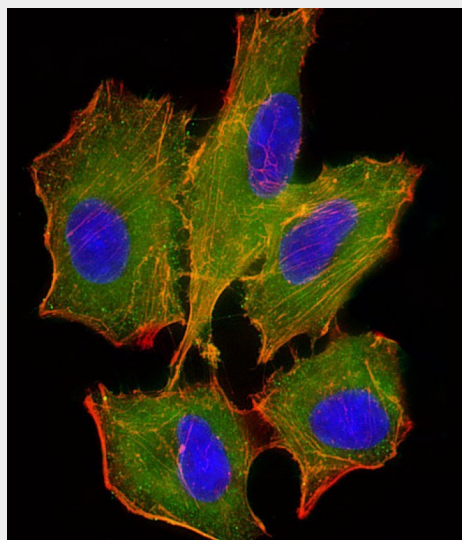
Purified monoclonal antibody supplied in
 PBS with 0.09% (W/V) sodium azide. This
 antibody is purified through a protein G
 column, followed by dialysis against PBS.

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



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).

procedures.

BID Antibody - Protein Information

Name BID

Function

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.

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

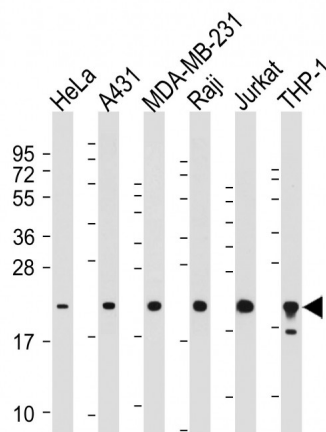
Tissue Location

Isoform 2 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)

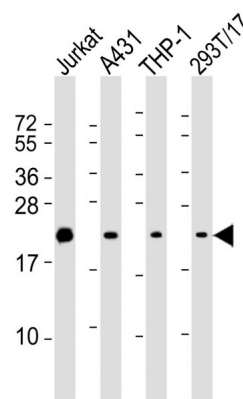
BID Antibody - Protocols

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

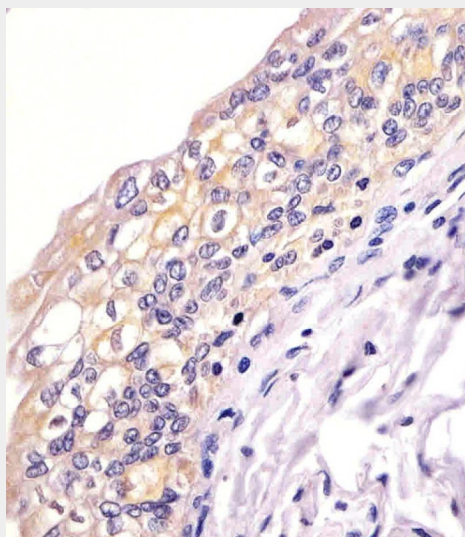
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



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.



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.



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 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

BID Antibody - Background

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BID Antibody - References

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EMBL/GenBank/DDBJ databases.
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