

BID Antibody

Catalog No: #32014



Package Size: #32014-1 50ul #32014-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

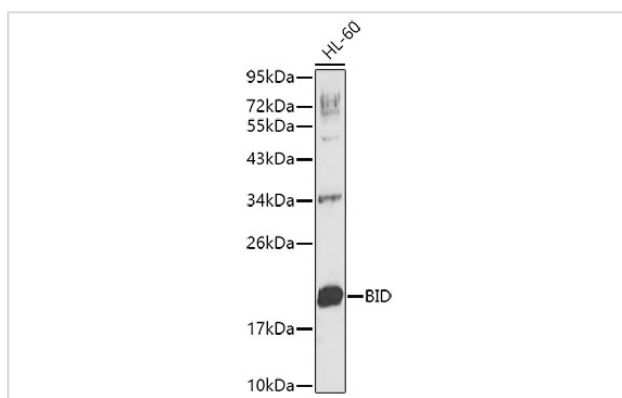
Description

Product Name	BID Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total BID protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human BID.
Target Name	BID
Other Names	BID; FP497; MGC15319; MGC42355;
Accession No.	Swiss-Prot:P55957NCBI Gene ID:637
SDS-PAGE MW	22KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

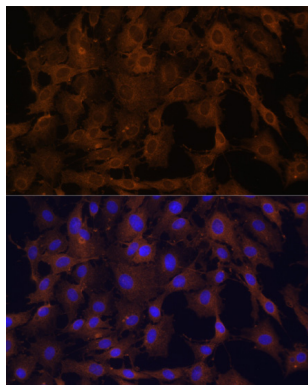
Application Details

WB □ 1:500 - 1:2000IF □ 1:50 - 1:200

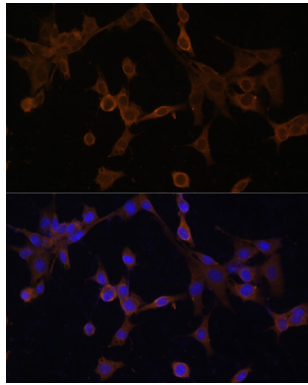
Images



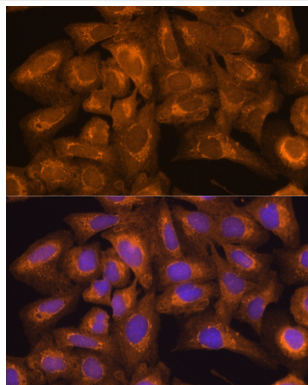
Western blot analysis of extracts of HL-60 cells, using BID antibody.



Immunofluorescence analysis of C6 cells using BID antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using BID antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using BID antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

The BH3 domain-only protein, BID, a death agonist member of the Bcl-2/Bcl-xL family (1), is localized in the cytosolic fraction of cells as an inactive precursor (2,3). Its active form is generated upon proteolytic cleavage by caspase-8 in the Fas signaling pathway. Cleaved BID translocates to mitochondria and induces cytochrome c release and mitochondrial damage (2-5). Thus, BID relays an apoptotic signal from the cell surface to mitochondria. However, the precise molecular mechanism for the translocation of the cleaved BID, and for the subsequent release of cytochrome c during apoptosis, is still unclear.

Published Papers

el at., Magnesium-Assisted Cisplatin Inhibits Bladder Cancer Cell Survival by Modulating Wnt/ β -Catenin Signaling Pathway. In Front Pharmacol on 2022

Jan 27 by Tianye Li, Zihan Tang, et al..PMID:35153759, (2022)

[PMID:35153759](https://pubmed.ncbi.nlm.nih.gov/35153759/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.