

BID Antibody

Catalog No: #32014



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

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

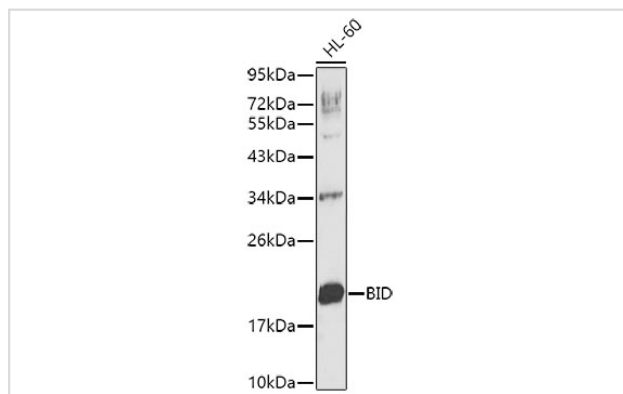
Description

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.
Conjugates	Unconjugated
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 Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

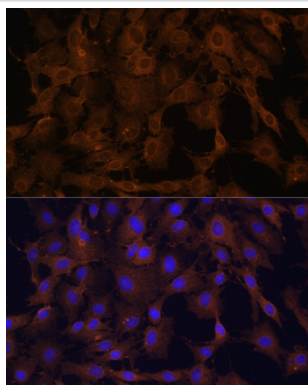
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:200

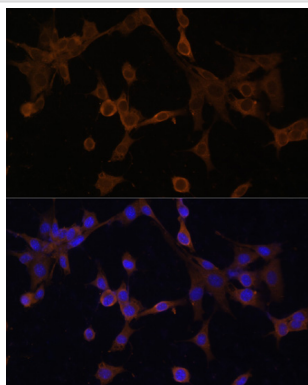
Images



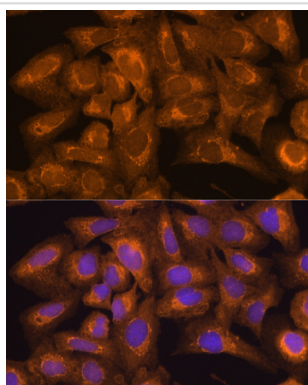
Western blot analysis of extracts of HL-60 cells, using BID antibody.



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.