#2003 Store at –20°C

BID Antibody (Mouse Specific)

☑ 100 µl
(10 western blots)

Cell Signaling TECHNOLOGY®

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Entrez-Gene ID #12122
Swiss-Prot Acc. #P70444

Applications	Species Cross-Reactivity*	Molecular Wt.	Source
W Endogenous	M	22 kDa	Rabbit**

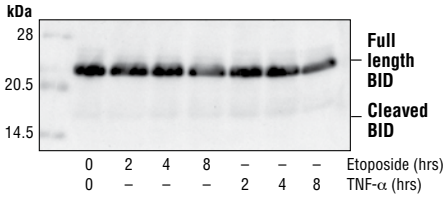
Background: The BH3 domain-only protein, BID, a death agonist member of the Bcl-2/Bcl-xL family (1), is localized in the cytosolic fraction of cells as an inactive precursor (2,3). Its active form is generated upon proteolytic cleavage by caspase-8 in the Fas signaling pathway. Cleaved BID translocates 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.

Specificity/Sensitivity: BID Antibody (Mouse Specific) detects endogenous levels of full length mouse BID protein.

Source/Purification: Polyclonal antibodies are produced by immunizing animals with a synthetic peptide (KLH-coupled) corresponding to residues surrounding the cleavage site of mouse BID. Antibodies are purified by protein A and peptide affinity chromatography.

Background References:

(1) Wang, K. et al. (1996) *Genes Dev* 10, 2859–69.
(2) Luo, X. et al. (1998) *Cell* 94, 481–90.
(3) Li, H. et al. (1998) *Cell* 94, 491–501.
(4) Gross, A. et al. (1999) *J Biol Chem* 274, 1156–63.
(5) Yin, X.M. et al. (1999) *Nature* 400, 886–91.



Western blot analysis of extracts from L929 cells, untreated, etoposide-treated (25 µM) or TNF-α-treated (20 ng/ml), using BID Antibody (Mouse Specific).

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. *Do not aliquot the antibody.*

***Species cross-reactivity is determined by western blot.**

****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:
Western blotting 1:1000

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Applications Key: **W**—Western **IP**—Immunoprecipitation **IHC**—Immunohistochemistry **ChIP**—Chromatin Immunoprecipitation **IF**—Immunofluorescence **F**—Flow cytometry **E-P**—ELISA-Peptide
Species Cross-Reactivity Key: **H**—human **M**—mouse **R**—rat **Hm**—hamster **Mk**—monkey **Mi**—mink **C**—chicken **Dm**—D. melanogaster **X**—Xenopus **Z**—zebrafish **B**—bovine **Dg**—dog **Pg**—pig **Sc**—S. cerevisiae **Ce**—C. elegans **Hr**—horse **All**—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.