

BID Antibody (Mouse Specific)



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For Research Use Only. Not For Use In Diagnostic Procedures.

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

Applications W Endogenous	Species Cross-Reactivity* M	Molecular Wt. 22 kDa	Source Rabbit**
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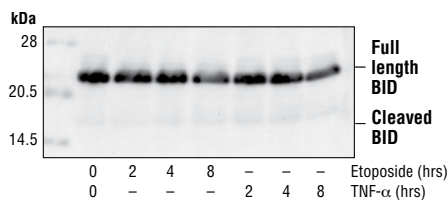
Background: The BH3 domain-only protein, BID, a death agonist member of the Bcl-2/Bcl-xL family (1), is localized in the cytosolic fraction of cells as an inactive precursor (2,3). Its active form is generated upon proteolytic cleavage by caspase-8 in the Fas signaling pathway. Cleaved BID translocates 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 μ M) 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 μ g/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.