

#2002

BID Antibody

Store at -20°C



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, W-S, IP	H	Endogenous	15, 22	Rabbit	#P55957	637

Product Usage Information	<p>Application</p> <p>Western Blotting</p> <p>Simple Western™</p> <p>Immunoprecipitation</p>	<p>Dilution</p> <p>1:1000</p> <p>1:10 - 1:50</p> <p>1:50</p>
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.	
Specificity / Sensitivity	BID Antibody detects endogenous levels of both the full length (22 kDa) and cleaved large fragment (15 kDa) of human BID.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding the cleavage site of human BID. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Bid is a pro-apoptotic “BH3 domain-only” member of the Bcl-2 family originally discovered to interact with both the anti-apoptotic family member Bcl-2 and the pro-apoptotic protein Bax (1). Bid is normally localized in the cytosolic fraction of cells as an inactive precursor and is cleaved at Asp60 by caspase-8 during Fas signaling, leading to translocation of the carboxyl terminal p15 fragment (tBid) to the mitochondrial outer membrane (2-4). Translocation of Bid is associated with release of cytochrome c from the mitochondria, leading to complex formation with Apaf-1 and caspase-9 and resulting in caspase-9 activation (5-7). Thus, Bid relays an apoptotic signal from the cell surface to the mitochondria triggering caspase activation (8,9).	
Background References	<ol style="list-style-type: none"> 1. Wang, K. et al. (1996) <i>Genes Dev</i> 10, 2859-69. 2. Luo, X. et al. (1998) <i>Cell</i> 94, 481-90. 3. Li, H. et al. (1998) <i>Cell</i> 94, 491-501. 4. Gross, A. et al. (1999) <i>J Biol Chem</i> 274, 1156-63. 5. Li, P. et al. (1997) <i>Cell</i> 91, 479-89. 6. Zou, H. et al. (1999) <i>J Biol Chem</i> 274, 11549-56. 7. Saleh, A. et al. (1999) <i>J Biol Chem</i> 274, 17941-5. 8. Yin, X.M. et al. (1999) <i>Nature</i> 400, 886-91. 9. Korsmeyer, S.J. et al. (2000) <i>Cell Death Differ</i> 7, 1166-73. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus 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 GP: Guinea Pig Rab: rabbit All: all species expected
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