Phospho-Bcl-2 (Thr56) Antibody



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

Applications: WB	Reactivity:	Sensitivity: Endogenous	MW (kDa): 28	Source: Rabbit	UniProt ID: #P10415	Entrez-Gene Id: 596	
Product Usage Information	•	Application		Dilution 1:1000			
Storage	Sup	estern Blotting oplied in 10 mM sod C. Do not aliquot the	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5), 150 mM NaCl, 10	1.1000 00 μg/ml BSA and 50%	glycerol. Store at –	
Specificity / Sensiti	vity Pho	spho-Bcl-2 (Thr56)	Antibody detects e	•	f Bcl-2 only when phosp Bcl-2 or with other Bcl-2	,	
Source / Purificatio	to re		,	•	th a synthetic phosphop purified by protein A and		
Background	mito hon Thr of th (4,5 apo	Bcl-2 exerts a survival function in response to a wide range of apoptotic stimuli through inhibition of mitochondrial cytochrome c release (1). It has been implicated in modulating mitochondrial calcium homeostasis and proton flux (2). Several phosphorylation sites have been identified within Bcl-2, including Thr56, Ser70, Thr74, and Ser87 (3). It has been suggested that these phosphorylation sites may be targets of the ASK1/MKK7/JNK1 pathway and that phosphorylation of Bcl-2 may be a marker for mitotic events (4,5). Mutation of Bcl-2 at Thr56 or Ser87 inhibits its anti-apoptotic activity during glucocorticoid-induced apoptosis of T lymphocytes (6). Interleukin-3 and JNK-induced Bcl-2 phosphorylation at Ser70 may be required for its enhanced anti-apoptotic functions (7).					
Background Refere	2. Z 3. N 4. Y 5. L	furphy, K.M. et al. (2 hu, L. et al. (1999) , faundrell, K. et al. (2 amamoto, K. et al. (ing, Y.H. et al. (1998 Juang, S.T. and Cidl	J Biol Chem 274, 3: 1997) J Biol Chem 2 (1999) Mol Cell Biol 3) J Biol Chem 273,	3267-73. 272, 25238-42. / 19, 8469-78. , 18984-91.	2.		

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting

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

7. Deng, X. et al. (2001) J Biol Chem 276, 23681-8.

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