Phospho-Bim (Ser55) Antibody



Orders:	877-616-CELL (2355) orders@cellsignal.com
Support:	877-678-TECH (8324)
Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 26	Source/Isotype: Rabbit	UniProt ID: #O54918	Entrez-Gene Id: 12125
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM soc 20°C. Do not aliquot th), 150 mM NaCl, 100 μg/	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sen	sitivity		55. This site is cons	dogenous levels of mou erved in rat (Ser55) and		
Species predict based on 100% homology		Human, Rat				
Source / Purific	ation		lues surrounding S	munizing animals with a er55 of mouse Bim. Ant		
Background		Bad, Bid, Bik, Hrk, and (1,2). Bim induces apo family. Interactions ha functions in regulating factor withdrawal, dur generated by alternati cytotoxic and is genera- may be sequestered to and released from this be regulated by phosp results in its dissociation	Noxa that contain ptosis by binding to ve been observed v g apoptosis associa- ing which Bim expr ve splicing: Bim _{EL} , l ally only transiently the dynein motor complex during ap phorylation (8,9). En on from the dynein d ERK activation lea	ging to the BH3-only gro a BH3 domain but lack o and antagonizing anti- with Bcl-2, Bcl-xL, Mcl-1, ted with thymocyte neg- ression is elevated (3-6). Bim _L , and Bim _S (1). The s expressed during apop complex through an int poptosis (7). Apoptotic a vironmental stress trigg complex and increased ds to phosphorylation o with Bax (10).	other conserved BH apoptotic members Bcl-w, Bfl-1, and BH ative selection and Three major isoforr shortest form, Bim _S tosis. The Bim _{EL} and teraction with the d ctivity of these long yers Bim phosphory apoptotic activity.	1 or BH2 domains s of the Bcl-2 IRF-1 (1,2). Bim following growth ms of Bim are , is the most d Bim _L isoforms ynein light chain er isoforms may lation by JNK and
Background Re	ferences	9. Putcha, G.V. et al. (2) <i>Mol Endocrinol</i> 12 02) <i>Nature</i> 415, 922 001) <i>Neuron</i> 29, 629 000) <i>Curr Biol</i> 10, 12 <i>Biol Chem</i> 278, 188 I. (1999) <i>Mol Cell</i> 3, . (2003) <i>Proc Natl A</i> 003) <i>Neuron</i> 38, 89	e, 1432-40. -6. 9-43. 201-4. 311-6. 287-96. <i>cad Sci U S A</i> 100, 2432- ⁻		
Species Reactiv	/ity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody ir	ר 5% w/v BSA, 1X
Applications Ke	ey	W: Western Blotting				
Cross-Reactivit	у Кеу	M: Mouse				

Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.		
	All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.		
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.		
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purpose, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.		