

1827

Phospho-Bim (Ser69) 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, IP | Reactivity: H M | Sensitivity: Endogenous | MW (kDa): 26 | Source/Isotype: Rabbit | UniProt ID: #O43521 | Entrez-Gene Id: 10018 |
|--|--------------------------|--|---|--|--|--|
| Product Usage Information | r | Application Western Blotting Immunoprecipitation | | | Dilution 1:1000 1:50 | |
| 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. | | | | |
| Specificity/Sensitivity | | Phospho-Bim (Ser69) Antibody detects endogenous levels of Bim protein only when phosphorylated at Ser69. | | | | |
| Species predict based on 100% homology | ted to react sequence | Rat, Monkey, Dog | | | | |
| Source / Purification | | Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser69 of human Bim protein (Ser65 in mouse and rat). Antibodies are purified by peptide affinity chromatography. | | | | |
| Background | | Bad, Bid, Bik, Hrk, and (1,2). Bim induces apop family. Interactions have functions in regulating factor withdrawal, during generated by alternative cytotoxic and is generated to and released from this be regulated by phospicesults in its dissociation Erk1/2-dependent phospically. | Noxa that contain otosis by binding to been observed apoptosis associang which Bim expore splicing: Bim _{EL} , lly only transiently the dynein motor complex during a norylation (8,9). Errom the dyneir sphorylation of Binsphorylation of Binspho | ging to the BH3-only gro a BH3 domain but lack of a 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 so rexpressed during apop complex through an int poptosis (7). Apoptotic a portionmental stress trigg to complex and increased m _{EL} at Ser69 (Ser65 in massome-mediated degrad | other conserved BH- apoptotic member Bcl-w, Bfl-1, and BH ative selection and Three major isofor shortest form, Bim _S atosis. The Bim _{EL} an teraction with the d activity of these long gers Bim phosphory apoptotic activity. ouse and rat) in res | If or BH2 domains 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 yer isoforms may rlation by JNK and |
| Background References | | 1. O'Connor, L. et al. (1982) 2. Hsu, S.Y. et al. (1998) 3. Bouillet, P. et al. (2004) 4. Whitfield, J. et al. (2005) 5. Dijkers, P.F. et al. (2006) 6. Ley, R. et al. (2003) 7. Puthalakath, H. et al. 8. Lei, K. and Davis, R.J. 9. Putcha, G.V. et al. (2010) 10. Luciano, F. et al. (2011) | Mol Endocrinol 12 2) Nature 415, 922 01) Neuron 29, 62 00) Curr Biol 10, 13 Biol Chem 278, 18 (1999) Mol Cell 3, (2003) Proc Natl A 103) Neuron 38, 89 03) Oncogene 22, | 2, 1432-40. 2-6. 9-43. 201-4. 811-6. 287-96. I <i>cad Sci U S A</i> 100, 2432- 9-914. 6785-6793. | 7. | |

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

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key H: Human 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 purposes, 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 any trademarks, trade names, logos, patent or copyright notices or markings, (d) use 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.