# **48053**

## Phospho-JunB (Thr102/Thr104) (D3C6) Rabbit mAb



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.

<b>Applications:</b> W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 43	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P17275	Entrez-Gene Id 3726
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation		<b>Dilution</b> 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-JunB (Thr102/Thr104) (D3C6) Rabbit mAb recognizes endogenous levels of JunB protein when phosphorylated at Thr102 and/or Thr104. The antibody does not detect non-phosphorylated JunB protein.				
Species predict based on 100% homology		Mouse, Rat				
Source / Purification		Monoclonal antibody is produced by immunizing animals with synthetic phosphopeptides corresponding to residues surrounding Thr102 and Thr104 of human JunB protein.				
Background		includes c-Jun and Jun proteins to form a fur by a variety of physiol signals (1-4). While Jur substitute for c-Jun du and plays an importal myeloid leukemia (AN JunB expression is selinteracts with c-Maf, a Interleukin-4 (IL-4), or IL-4 was shown to be Phosphorylation of th	nD. Jun family meml nctional transcription ogical and pathological sometimes anta uring development nt role in the pathological (L) (8,9). ectively induced in the resulting come of the signature enhanced by JNK-mese residues enhar	P) transcription factor be pers homodimerize or he of factor AP-1 (activator p gical stimuli such as grow gonizes c-Jun transcripti in mice (5-7). JunB regula genesis of chronic myeld Thelper 2 (Th2) cells dur mplex functions synergicy cytokines secreted by The diated phosphorylations of the ing to Th2-restricted IL-4	eterodimerize with protein 1), whose a wth factors, infectic onal activity, it may ates hematopoietic ogenous leukemia (ring T cell differentistically to activate to 2 cells. Transcription of JunB at Thr102 JunB/c-Maf comple	Fos and ATF ctivity is regulated ons, and stress functionally stem cell number CML) and acute ation. JunB cranscription of and Thr104 (10).
Background References		<ol> <li>Busch, S.J. and Sassone-Corsi, P. (1990) <i>Trends Genet</i>. 6, 36-40.</li> <li>Shaulian, E. and Karin, M. (2002) <i>Nat. Cell Biol</i>. 4, E131-E136.</li> <li>Hess, J. et al. (2004) <i>J. Cell Sci</i>. 117, 5965-5973.</li> <li>Mechta-Grigoriou, F. et al. (2001) <i>Oncogene</i> 20, 2378-2389.</li> <li>Chiu, R. et al. (1989) <i>Cell</i> 59, 979-986.</li> <li>Schütte, J. et al. (1989) <i>Cell</i> 59, 987-997.</li> <li>Passegué, E. et al. (2002) <i>Nat. Genet</i>. 30, 158-166.</li> <li>Steidl, U. et al. (2006) <i>Nat. Genet</i>. 38, 1269-1277.</li> <li>Passegué, E. et al. (2004) <i>Cell</i> 119, 431-443.</li> <li>Li, B. et al. (1999) <i>EMBO J</i> 18, 420-32.</li> </ol>				

**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

#### **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.