Store at -20C

0626

TORC3/CRTC3 (C35G4) 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.

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 76-78	Source/Isotype: Rabbit IgG	UniProt ID: #Q6UUV7	Entrez-Gene Id: 64784
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		TORC3/CRTC3 (C35G4) Rabbit mAb recognizes endogenous levels of total TORC3 (CRTC3) protein.				
Source / Purification		TORC3/CRTC3 (C35G4) Rabbit mAb is produced by immunizing animals with a synthetic peptide corresponding to the sequence of human TORC3 (CRTC3) protein.				
Background		during feeding stimul Feeding also stimulat induces insulin releas transcription likely pla (CREB-regulated trans as a CREB co-activato quiescent cells, CRTC2 via an interaction with CRTC2/TORC2 and its nucleus to promote C	ate insulin release the release of gut how the place of gut how the place of gut how the place of the place o	mones and cellular ener from pancreatic β-cells to present as glucago a release and promotes fucose sensing and GLP-release and grand gra	hrough a glucose son-like peptide-1 (Gβ-cell viability. CREB 1 signaling (1). The of regulated CREB affects of these two pecomes sequesteres lead to the depholonylated CRTC2/Toplays a key role in	ensing pathway. LP-1), which further dependent protein CRTC2 ctivity 2) functions athways (4). In d in the cytoplasm osphorylation of ORC2 enters the the regulation of
		CRTC2/TORC2-related proteins CRTC1/TORC1 and CRTC3/TORC3 also act as CREB co-activators (2,3). CRTC1/TORC1, CRTC2/TORC2 and CRTC3/TORC3 associate with the HTLV Tax protein to promote Tax-dependent transcription of HTLV-1 long terminal repeats (6,7). CRTC1/TORC1 is highly phosphorylated at Ser151 in mouse hypothalamic cells under basal conditions (8). When these cells are exposed to cAMP or a calcium activator, CRTC1/TORC1 is dephosphorylated and translocates into the nucleus (8). CRTC1/TORC1 is essential for energy balance and fertility (8).				
Background References		1. Hinke, S.A. et al. (2004) <i>J Physiol</i> 558, 369-80. 2. Conkright, M.D. et al. (2003) <i>Mol Cell</i> 12, 413-23. 3. Iourgenko, V. et al. (2003) <i>Proc Natl Acad Sci U S A</i> 100, 12147-52. 4. Screaton, R.A. et al. (2004) <i>Cell</i> 119, 61-74. 5. Koo, S.H. et al. (2005) <i>Nature</i> 437, 1109-11. 6. Koga, H. et al. (2004) <i>J Biol Chem</i> 279, 52978-83. 7. Siu, Y.T. et al. (2006) <i>J Virol</i> 80, 7052-9. 8. Altarejos, J.Y. et al. (2008) <i>Nat Med</i> 14, 1112-7.				

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

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

Trademarks and Patents Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

U.S. Patent No. 7,429,487, foreign equivalents, and child patents deriving therefrom.

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.

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

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