#5500 Store at -20C

Phospho-RCC1 (Ser11) (D18B5) 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: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 45	Source/Isotype: Rabbit IgG	UniProt ID: #P18754	Entrez-Gene Id: 1104
Product Usage Information	•	plication estern Blotting			Dilution 1:1000	
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity / Sensitivity		Phospho-RCC1 (Ser11) (D18B5) Rabbit mAb recognizes endogenous levels of RCC1 protein only when phosphorylated at Ser11.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser11 of human RCC1 protein.				
Background	spin inac of g GTF chrc (4,5 (5,6 regu cycl	idle, and nuclear tra etive in its GDP-bour uanine nucleotide e: P. Regulator of chror omatin-bound throug). Appropriate assoc) and methylation (7 ulates nuclear impor	nsport (1,2). Like of form. Nuclear exchange factor (of matin condensating the cell cycliation of RCC1 versions are during apoptos	volved in nuclear envelope other small GTPases, FRANGTP concentration GEF) activity, which cata on 1 (RCC1) is the only ele, and this localization is with chromatin is regulate on of RanGTP levels in its (8). In mitosis RCC1 is on may play a role in RC	Ran is active in its GT is maintained through alyzes the exchange of known RanGEF (3). It is required for mitosised through amino-termites on the control of	P-bound form and nuclear localization found GDP for RCC1 is dynamically to proceed normally minal phosphorylation nodifications er11, possibly by
Background Refer	2. H 3. M 4. O 5. L 6. H 7. C 8. W 9. H 10. D	etzer, M. et al. (200) loore, W. et al. (200) htsubo, M. et al. (190) ht., H.Y. and Zheng, Y. utchins, J.R. et al. (2007) hen, T. et al. (2007) hong, C.H. et al. (200) ephoure, N. et al. (200)	2) Nat Cell Biol 4 2) Curr Biol 12, 1 989) J Cell Biol 1 . (2004) Genes D 2004) Curr Biol 1 Nat Cell Biol 9, 1 09) Nat Cell Biol 9) Mol Biol Rep 3 2008) Proc Natl A	.442-7. 09, 1389-97. Dev 18, 512-27. .4, 1099-104. 596-603. 11, 36-45.		

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

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.

Phospho-RCC1 (Ser11) (D18B5) Rabbit mAb (#5500) Datasheet Without Images Cell Signaling Technology

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.