Ubc12 (D13D7) 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, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 21	Source/Isotype: Rabbit IgG	UniProt ID: #P61081	Entrez-Gene Id: 9040
Product Usage Information		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, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Ubc12 (D13D7) Rabbit mAb detects endogeneous levels of total Ubc12 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys36 of human Ubc12 protein.				
Background		composed of NEDD8-s for NEDD8 is Ubc12 (3- transfer of NEDD8 fror are cullin-based RING complex by promoting complexes containing important signaling ta	pecific E1 (activatir -5). Ubc12 forms a n E1 to lysine side α E3 ligases. Neddyla its interaction with βTrCP and SKP2 ha rgets such as IκΒ, N	inked to target proteins ag)- and E2 (conjugating) heterodimeric conjugate chains of target proteins at a cognate ubiquitin-E2 is been shown to be requiversed and p27 Kip (8-10 elopmental programmir	enzymes (1,2). The with NEDD8 in orc (1,2). Well known t ctivates the related ligase (6-7). Neddy uired for controlling), thereby regulatin	e E2 ligase specific der to catalyze the argets of NEDD8 ubiquitin E3 lation of Cul-1 g the stability of
Background References		1. Huang, D.T. et al. (2007) <i>Nature</i> 445, 394-8. 2. Huang, D.T. et al. (2005) <i>Mol Cell</i> 17, 341-50. 3. Liakopoulos, D. et al. (1998) <i>EMBO J</i> 17, 2208-14. 4. Gong, L. and Yeh, E.T. (1999) <i>J Biol Chem</i> 274, 12036-42. 5. Wada, H. et al. (2000) <i>J Biol Chem</i> 275, 17008-15. 6. Sakata, E. et al. (2007) <i>Nat Struct Mol Biol</i> 14, 167-8. 7. Kawakami, T. et al. (2001) <i>EMBO J</i> 20, 4003-12. 8. Podust, V.N. et al. (2000) <i>Proc Natl Acad Sci USA</i> 97, 4579-84. 9. Wu, K. et al. (2002) <i>J Biol Chem</i> 277, 516-27. 10. Amir, R.E. et al. (2007) <i>Circ Res</i> 100, 1276-91.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

Applications Key

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.

W: Western Blotting IP: Immunoprecipitation

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.

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.