Store at

:44590

Phospho-RIP (Ser166) (D8I3A) 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, IF-IC, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 78-82	Source/Isotype: Rabbit IgG	UniProt ID: #Q13546	Entrez-Gene Id: 8737	
Product Usage Information		Application Western Blotting Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized)			Dilution 1:1000 1:400 1:200 - 1:800		
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.					
		For a carrier free (BSA and azide free) version of this product see product #96323.					
Specificity/Sens	sitivity	Phospho-RIP (Ser166) (D8I3A) Rabbit mAb (IF Preferred) recognizes endogenous levels of RIP protein only when phosphorylated at Ser166. This antibody is preferred for immunofluorescence whereas Phospho-RIP (Ser166) (D1L3S) Rabbit mAb #65746 is preferred for western blot. Weak centriolar background staining was observed in some cell types.				ence whereas	
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a synthetic phospho-peptide corresponding to residues surrounding Ser166 of human RIP protein.					
Background		important regulators the activation of NF-kl contains a death dom recruitment to TNF-R1 mediated NF-kB activa TNF-receptor-associat interaction with NEMC induces both NF-kB ac domain can trigger th Necroptosis, a regulat signals including cytol receptors (TLRs), and initiated through a co necrosome. Necropto Research studies show has been shown to pr	of cellular stress that as well as pro-apo ain responsible for through interaction ation, making the ce ed factors (TRAFs) a D, leading to IkB pho ctivation and apopto e apoptotic activity red pathway for nec kines in the tumor r ischemic injury (9,10 mplex containing th sis is inhibited by a v that necroptosis c ovide neuroprotectiver veral sites within the	nily of serine-threonine l at trigger pro-survival ar optotic pathways (1). In a interaction with the dea n with TRADD (2,3). RIP- ells more sensitive to ap- and can recruit IKKs to th osphorylation and degra osis (2,3). Caspase-8-dep of RIP (8). rotic cell death, is triggen tecrosis factor (TNF) fam D). The process is negati- te RIP and RIP3 kinases, small molecule inhibitor ontributes to a number on in models such as is a e kinase domain that are	Ind inflammatory res addition to the kina th domain receptor deficient cells show optosis (4,5). RIP als the TNF-R1 signaling adation (6,7). Overe: the the transform of the transform red by a number of hily, pathogen sense vely regulated by ca typically referred to of RIP, necrostation of pathological con the transform of the transform	ponses through se domain, RIP Fas and a failure in TNF- to interacts with complex via expression of RIP the RIP death finflammatory pors such as toll-like topases and is to as the to (Nec-1) (11). ditions, and Nec-1 (12). RIP is	
Background Re	ferences	 Hsu, H. et al. (1996) Stanger, B.Z. et al. (1996) Stanger, B.Z. et al. (1997) Kelliher, M.A. et al. (1997) Kelliher, M.A. et al. (2000) Zhang, S.Q. et al. (2000) Zhang, S.Q. et al. (2000) Lin, Y. et al. (1999) Christofferson, D.E. Kaczmarek, A. et al. Degterev, A. et al. Degterev, A. et al. 	Immunity 4, 387-96 1995) Cell 81, 513-23 6) EMBO J 15, 6189- 1998) Immunity 8, 2 0) Immunity 12, 419 000) Immunity 12, 3 5enes Dev 13, 2514- and Yuan, J. (2010) I. (2013) Immunity 3 (2008) Nat Chem Bi (2005) Nat Chem Bi	3. 96. 297-303. -29. 201-11. 26. <i>Curr Opin Cell Biol</i> 22, 2 38, 209-23. <i>ol</i> 4, 313-21.	63-8.		

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 IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)	
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 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.	