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14397

Phospho-RIP2 (Ser176) (E1I9J) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:		
W, IP	Н	Endogenous	61	Rabbit IgG	#043353	8/6/		
Product Usage		Application			Dilution			
Information		Application			1.1000			
Information		western Blotting			1:1000			
		Immunoprecipitation			1:100			
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/Sens	itivity	Phospho-RIP2 (Ser176) (E1I9J) Rabbit mAb recognizes endogenous levels of RIP2 protein only when phosphorylated at Ser176. This antibody also cross-reacts with unidentified proteins of approximat 25 kDa and 38 kDa in some cell lines.				ein only when of approximately		
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser176 of human RIP2 protein.						
Background		Receptor Interacting Protein 2 (RIP2) is a serine/threonine kinase with a carboxy-terminal caspase activation and recruitment domain (CARD). Association of RIP2 with the tumor necrosis factor receptor (TNFR) causes activation of NF-κB and induction of apoptosis (1-3). Expression of RIP2 is induced in macrophages upon exposure to bacterial cell wall components, such as LPS. RIP2-deficient mouse models demonstrate that this kinase integrates and transduces signals for both the innate and adaptive immune system (4,5). The RIP2 Ser176 residue serves as a regulatory autophosphorylation site and can be used to monitor the activation state of RIP2 (6).						
Background Re	ferences	1. Inohara, N. et al. (1998) <i>J Biol Chem</i> 273, 12296-300. 2. McCarthy, J.V. et al. (1998) <i>J Biol Chem</i> 273, 16968-75. 3. Thome, M. et al. (1998) <i>Curr Biol</i> 8, 885-8. 4. Chin, A.I. et al. (2002) <i>Nature</i> 416, 190-4. 5. Kobayashi, K. et al. (2002) <i>Nature</i> 416, 194-9. 6. Dorsch, M. et al. (2006) <i>Cell Signal</i> 18, 2223-9.						
Species Reactiv	ity	Species reactivity is det	ermined by testing	g in at least one approve	d application (e.g.,	western blot).		
Western Blot B	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Ke	у	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity	y Key	H: Human						
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