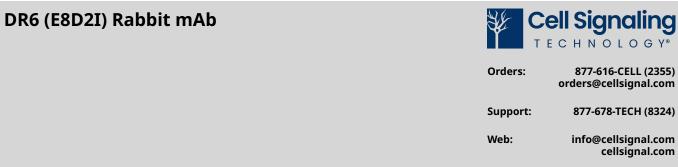
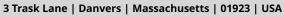
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Store at

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

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 80, 120	Source/Isotype: Rabbit IgG	UniProt ID: #075509	Entrez-Gene Id: 27242
Product Usage Information Storage	2	Application Western Blotting Immunoprecipitation Supplied in 10 mM soc	lium HEPES (pH 7.5	i), 150 mM NaCl, 100 µg	Dilution 1:1000 1:200 /ml BSA, 50% glycer	ol and less than
-		0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		DR6 (E8D2I) Rabbit mAb recognizes endogenous levels of total DR6 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding His235 of human DR6 protein within the extracellular domain.				
Background		The tumor necrosis factor receptor family, which includes TNF-RI, Fas, DR3, DR4, DR5, and DR6, plays an important role in the regulation of apoptosis in various physiological systems (1,2). The receptors are activated by a family of cytokines that include TNF, FasL, and TNF-related apoptosis-inducing ligand (TRAIL). They are characterized by a highly conserved extracellular region containing cysteine-rich repeats and a conserved intracellular region of about 80 amino acids termed the death domain (DD). The DD is important for transducing the death signal by recruiting other DD containing adaptor proteins (FADD, TRADD, RIP) to the death-inducing signaling complex (DISC), resulting in activation of caspases. DR6, also known as TNFRSF21, is a TNFR family member able to induce apoptosis as well as activation of NF-κB and JNK (3). Expression of DR6 is upregulated by NF-κB signaling (4). DR6 appears to play a critical role in the activation and differentiation of T and B lymphocytes (5,6). In the nervous system, β- amyloid precursor protein (APP) activates DR6 to trigger neuronal degeneration (7).				
Background Re	eferences	 Nagata, S. (1997) <i>Cell</i> 88, 355-65. Thorburn, A. (2004) <i>Cell Signal</i> 16, 139-44. Pan, G. et al. (1998) <i>FEBS Lett</i> 431, 351-6. Kasof, G.M. et al. (2001) <i>Oncogene</i> 20, 7965-75. Zhao, H. et al. (2001) <i>J Exp Med</i> 194, 1441-8. Schmidt, C.S. et al. (2003) <i>J Exp Med</i> 197, 51-62. Nikolaev, A. et al. (2009) <i>Nature</i> 457, 981-9. 				
Species Reacti	vity	Species reactivity is de	termined by testing	g in at least one approve	ed 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 IP: Immunoprecipitation				
Cross-Reactivit	ross-Reactivity Key H: Human					
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		XP is a registered trademark of Cell Signaling Technology, Inc.				
		All other trademarks a more information.	re the property of	heir respective owners.	Visit cellsignal.com	/trademarks for
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				

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