

#8049 Store at -20°C

DcR2 (D13H4) Rabbit mAb


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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H Mk	Endogenous	45-60	Rabbit IgG	#Q9UBN6	8793

Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 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 / Sensitivity	DcR2 (D13H4) Rabbit mAb recognizes endogenous levels of total DcR2 protein. This antibody may detect an unidentified protein of 30 kDa in some cell lines.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly270 of human DcR2 protein.	
Background	<p>The tumor necrosis factor receptor family, which includes TNF-R1, 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. Death receptor signaling can be controlled by a family of decoy receptors (DcR1, DcR2, and DcR3) that lack a cytoplasmic DD and inhibit death receptor-mediated apoptosis by competing for ligand binding (3-5). Expression of decoy receptors can contribute to chemosensitivity and may provide a mechanism for regulation of apoptosis in certain types of cancer (6-8).</p>	
Background References	<ol style="list-style-type: none"> 1. Nagata, S. (1997) <i>Cell</i> 88, 355-65. 2. Thorburn, A. (2004) <i>Cell Signal</i> 16, 139-44. 3. Sheridan, J.P. et al. (1997) <i>Science</i> 277, 818-21. 4. Marsters, S.A. et al. (1997) <i>Curr Biol</i> 7, 1003-6. 5. Pitti, R.M. et al. (1998) <i>Nature</i> 396, 699-703. 6. Liu, X. et al. (2005) <i>Cancer Res</i> 65, 9169-75. 7. Spalding, A.C. et al. (2002) <i>Oncogene</i> 21, 260-71. 8. Bernard, D. et al. (2001) <i>J Biol Chem</i> 276, 27322-8. 	

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 IP: Immunoprecipitation
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
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