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Applications:Reactivity:W, IP, IF-IC, FC-FPH	Sensitivity: Endogenous	MW (kDa): 35-55	Source/Isotype: Rabbit IgG	UniProt ID: #O00220	Entrez-Gene Id: 8797		
Product Usage Information	Application Western Blotting Immunoprecipitatior Immunofluorescence Flow Cytometry (Fixed	e (Immunocytochem	iistry)		Dilution 1:1000 1:100 1:800 1:50		
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	DR4 (D9S1R) Rabbit mAb recognizes endogenous levels of total DR4 protein.						
Source / Purification	Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the carboxy terminal, cytoplasmic domain of human DR4 protein.						
Background	an important role in t are activated by a fan (TRAIL). They are chan repeats and a conser The DD is important f proteins (FADD, TRAD caspases. DR4 (TRAIL-RI, TNFRS receptors contain dea	the regulation of ap- nily of cytokines tha racterized by a high ved intracellular reg for transducing the DD, RIP) to the death F10A) and DR5 (TRA ath domains that re- ibility of TRAIL to se	y, which includes TNF-RI, optosis in various physic t include TNF, FasL, and ly conserved extracellula jion of about 80 amino a death signal by recruitin -inducing signaling com IL-R2, TNFRSF10B) are re cruit DISC complexes trig lectively kill malignant ce	logical systems (1, TNF-related apopto r region containing cids termed the de g other DD contain plex (DISC), resultin eceptors for the cyto ggering caspase ac	2). The receptors osis-inducing ligand g cysteine-rich ath domain (DD). ng adaptor ng in activation of cokine TRAIL. Both tivation and		
Background References	1. Nagata, S. (1997) <i>C</i> 2. Thorburn, A. (2004 3. Pan, G. et al. (1997) 4. Walczak, H. et al. (1 5. Chaudhary, P.M. et 6. Schneider, P. et al. (7. Yang, A. et al. (2010) <i>Cell Signal</i> 16, 139 [,]) <i>Science</i> 276, 111-3 (997) <i>EMBO J</i> 16, 53 al. (1997) <i>Immunity</i> (1997) <i>Immunity</i> 7, 8	36-97. 77, 821-30. 331-6.				
Species Reactivity	Species reactivity is d	etermined by testin	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 IF-IC: Immunofluorescence (Immunocytochemistry) FC- FP: Flow Cytometry (Fixed/Permeabilized)						
Cross-Reactivity Key	H: Human						
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