Store at -20C

3968

RAG1 (D36B3) Rabbit mAb		Cell Signaling	
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 119	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P15918	Entrez-Gene Id 5896		
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 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		RAG1 (D36B3) Rabbit mAb detects endogenous levels of total RAG1 protein.						
Source / Purificati	ion	Monoclonal antibody is produced by immunizing animals with recombinant human RAG1 protein.						
Background		combined by a process segment is combined w the antigen-binding po that encode the consta development of functio Initiation of this process conserved recombinati between the RSS and the adjacent to each other and RAG2 are coexpress (7). RAG1 and RAG2 car	called V(D)J recom with a joining (J) se ortion of the recept on tregion to produ- onal immune T and so follows binding on signal sequence in the genome an assed only in the B a n also function as t 8,9). Mutations in	ars are split into multiple abination during immun gment, and in some cas cor. The recombined V(D) uce mature mRNA (1,2). T I B cells creates a vast di of RAG1 (recombination es (RSS) and the introdu ce (5,6). RAG1 and RAG2 d lack introns in their co and T cell lineages and b transposases, contribution the RAG genes are assoc	e cells developmen es a D (Diversity) se This essential proce iversity in these rec activating gene 1) a totion of a double-si genes are located i ding regions in mai oth are required fo ng to chromosomal	t. A variable (V) egment, to create pliced into exons ess required for the eptors (3,4). and RAG2 to the trand break mmediately ny species. RAG1 r cleavage activity I translocations and		
Background Refe	rences	<ol> <li>Schatz, D.G. (2004) S.</li> <li>Gellert, M. (2002) An</li> <li>Alt, F.W. et al. (1992)</li> <li>Sadofsky, M.J. (2001)</li> <li>Swanson, P.C. (2004)</li> <li>Swanson, P.C. et al. (2004)</li> <li>Fugmann, S.D. et al. (2004)</li> <li>Hiom, K. et al. (1998)</li> <li>Agrawal, A. et al. (1999)</li> <li>Villa, A. et al. (1999)</li> <li>Corneo, B. et al. (2004)</li> </ol>	<i>nu Rev Biochem 7 Ann N Y Acad Sci 6 Nucleic Acids Res Immunol Rev 200 2009) Adv Exp Med (2000) Annu Rev In Cell 94, 463-70. 98) Nature 394, 74 J Clin Immunol 19</i>	1, 101-32. 551, 277-94. 29, 1399-409. , 90-114. <i>d Biol</i> 650, 1-15. <i>mmunol</i> 18, 495-527. 4-51. , 87-97.				
Species Reactivity	,	Species reactivity is det	termined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Buff	er	IMPORTANT: For weste TBS, 0.1% Tween® 20 a		te membrane with diluted primary antibody in 5% w/v BSA, 1X le shaking, overnight.				
Applications Key		W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity K	ley	H: Human						
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