

Applications: F W	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 62	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q9H257	<b>Entrez-Gene Id:</b> 64170
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		CARD9 Antibody recognizes endogenous levels of total CARD9 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human CARD9 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		(1,2). It is required for receptors (CLRs) such to activation of the typ CARD9, enabling the a kB, resulting in upreg (3,4,6,7). CARD9 was a	antifungal immuni as Dectin-1 (3,4). Re rosine kinase Syk, fo assembly of a comp ulation of inflamma also shown to be im G-I, as well as for th	CARD)-containing adapt ty downstream of patho ecognition of carbohydr ollowed by activation of lex containing CARD9 a tory cytokines importar portant for the inductio te generation of reactive	rgen detection by C- ates on fungal cell v PKCδ (5,6). PKCδ ph nd Bcl10 (6). This co nt for initiation of ac n of IL-1β, downstre	type lectin valls by CLRs leads osphorylates mplex activates NF- laptive immunity eam of the viral
Background References		1. Bertin, J. et al. (2000 2. Hsu, Y.M. et al. (200 3. Gross, O. et al. (200 4. Bi, L. et al. (2010) / <i>I</i> 5. Rogers, N.C. et al. (2 6. Strasser, D. et al. (20 7. LeibundGut-Landm 8. Wu, W. et al. (2009)	7) Nat Immunol 8, 6) Nature 442, 651- Biol Chem 285, 2596 2005) Immunity 22, 012) Immunity 36, 3 ann, S. et al. (2007)	198-205. 6. 59-77. 507-17. 2-42. <i>Nat Immunol</i> 8, 630-8.		
Species Reactivity		Species reactivity is de	etermined by testin	g in at least one approv	ed application (e.g.,	western blot).
Western Blot Buffer		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 Key		W: Western Blotting				
Cross-Reactivity Key		H: Human				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				
		All other trademarks a more information.	are the property of	their 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 force or effect.				
				se Only or a similar labe or other regulatory for		

purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.