

Applications: F W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 62	Source/Isotype: Rabbit	UniProt ID: #Q9H257	Entrez-Gene Id: 64170
Product Usage Information		Application Western Blotting			Dilution 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				
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