

| 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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