£5189

Phospho-CARD11 (Ser652) Antibody



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Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 130	Source/Isotype: Rabbit	UniProt ID: #Q9BXL7	Entrez-Gene Id: 84433
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-CARD11 (Ser652) Antibody detects endogenous levels of CARD11 protein only when phosphorylated at Ser652.				
Species predicted to react based on 100% sequence homology		Monkey				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to a region surrounding Ser652 of human CARD11 protein. Antibodies were purified by protein A and peptide affinity chromatography.				
Background		typically function as members contain an S In addition, CARD11 c domain plays an impo domains that are invo expressed in lymphoc CARD11 leads to the p associated with lipid r phosphorylation of IK negative mutations has signaling (4-7).	nolecular scaffolds 5H3 domain, a PDZ ontains an amino-trant role in formilyed in regulating sytes (1,2) and assophosphorylation of afts and is thought Ks (3,4). Several strayed demonstrated	MAGUK (membrane-asso in the assembly of multiper domain and a GuK domerminal CARD domain (cong interactions with a numbroptosis and NF-kB acticiates with the CARD domediates with the carbon of New function by recruiting dies using the genetic dichat it plays a critical role the central region of CAR	protein complexes ain homologous to aspase recruitment which recruitment of proteins control of the protein of Bcl10. When the protein of Bcl10. When the protein of Bcl10 and MALT1 is ruption of CARD1 or in NF-kB activation	(1,2). MAGUK family guanylate kinase. t domain). This portaining CARD redominately noverexpressed, is constitutively and triggering the 1 or dominant-n and lymphocyte
Background References		1. Bertin, J. et al. (2001) <i>J. Biol. Chem.</i> 276, 11877–11882. 2. Gaide, O. et al. (2001) <i>FEBS Lett.</i> 496, 121-127. 3. Stilo, R. et al. (2004) <i>J. Biol. Chem.</i> 279, 34323-34331. 4. Wang, D. et al. (2002) <i>Nat. Immunol.</i> 3, 830-835. 5. Jun, J.E. et al. (2003) <i>Immunity</i> 18, 751-762. 6. Hara, H. et al. (2003) <i>Immunity</i> 18, 763-775. 7. Gaide, O. et al. (2002) <i>Nat. Immunol.</i> 3, 836-843. 8. Sommer, K. et al. (2005) <i>Immunity</i> 23, 561-74. 9. Shinohara, H. et al. (2007) <i>J Exp Med</i> 204, 3285-93. 10. Moreno-García, M.E. et al. (2009) <i>J Immunol</i> 183, 7362-70.				
Species Reactivity		Species reactivity is de	etermined by testir	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

Cross-Reactivity Key H: Human M: Mouse R: Rat

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