

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat CARMA1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CARD11 Lys263-Ser442 Accession # Q9BXL7
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CARMA1 (CARD-MAGUK1; also CARD11) is a 133 kDa member of the MAGUK family of proteins. It is a cytoplasmic promoter of Bcl10 phosphorylation, and as such, regulates the effectiveness of NF-κB signaling. Human CARMA1 is 1154 amino acids (aa) in length and contains an N-terminal CARD region, two coiled-coil (CC) domains (aa 123-250 and 295-442), and a PZD, SH3 and MAGUK domain (aa 996-1133). The CC1 and MAGUK domains position the molecule, while CC1 and CC2 mediate a necessary dimerization/oligomerization. There is one potential alternate start site seven aa upstream from the standard start site. Over aa 263-442, human CARMA1 is 98% aa identical to both mouse and canine CARMA1.

PRODUCT SPECIFIC NOTICES

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