

# Human/Mouse/Rat CARD11/CARMA1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4839

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	E. coli-derived recombinant human CARD11 Lys263-Ser442 Accession # Q9BXL7		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

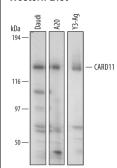
### APPLICATIONS

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.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

### DATA

## Western Blot



Detection of Human/Mouse/Rat CARD11/CARMA1 by Western Blot. Western blot shows lysates of Daudi human Burkitt's lymphoma cell line, A20 mouse B cell lymphoma cell line, and Y3-Ag rat myeloid cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse/Rat CARD11/CARMA1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4839) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for CARD11/CARMA1 at approximately 133 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

## PREPARATION AND STORAGE

**Reconstitution** Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## 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-kB 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.

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