

DESCRIPTION

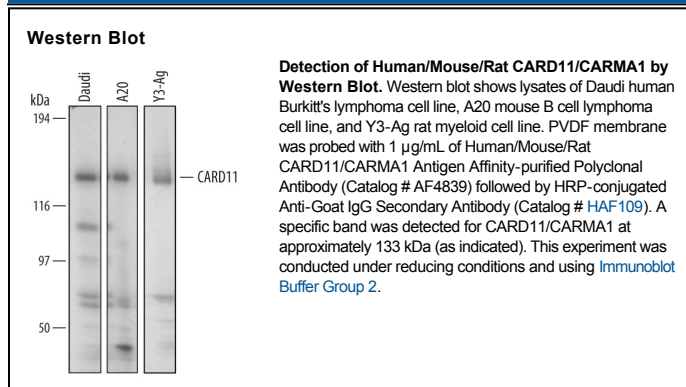
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat CARMA1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CARD11 Lys263-Ser442 Accession # Q9BXL7
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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



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. <ul style="list-style-type: none"> • 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-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.