

## DESCRIPTION

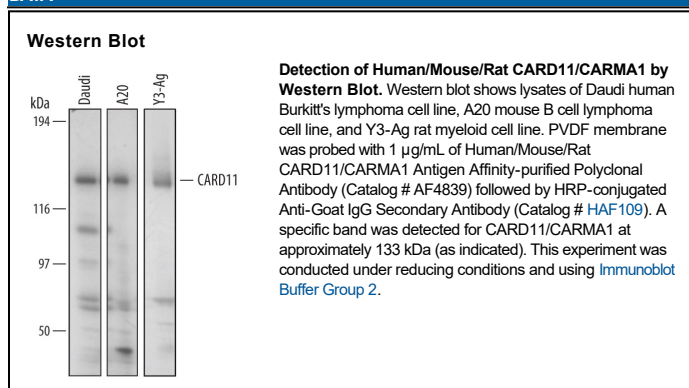
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects endogenous human, mouse, and rat CARMA1 in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human CARD11 Lys263-Ser442 Accession # Q9BXL7
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.