

## Product datasheet for **TA320009**

### **CARD14 Rabbit Polyclonal Antibody**

#### **Product data:**

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | IHC   |
| Recommended Dilution: | IHC: 5 ug/mL  |
| Reactivity:           | Human   |
| Host:                 | Rabbit  |
| Isotype:              | IgG   |
| Clonality:            | Polyclonal  |
| Immunogen:            | CARMA2 antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human CARMA2. |
| Formulation:          | CARMA2 Antibody is supplied in PBS containing 0.02% sodium azide.   |
| Concentration:        | 1ug/ul  |
| Purification:         | CARMA2 Antibody is affinity chromatography purified via peptide column.   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at -20°C as received.   |
| Stability:            | Stable for 12 months from date of receipt.  |
| Gene Name:            | caspase recruitment domain family member 14   |
| Database Link:        | <a href="#">NP_077015</a><br><a href="#">Entrez Gene 79092 Human</a><br><a href="#">Q9BXL6</a>                  |



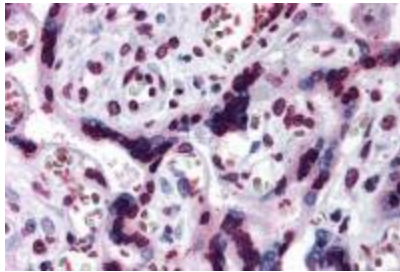
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**Background:**

CARMA2 Antibody: CARMA proteins belong to the membrane-associated guan-ylate kinase-like (MAGUK) family of proteins that can function as molecular scaffolds that assist assembly of signal transduction molecules. CARMA1, CARMA2, and CARMA3 share high degrees of sequence and functional homology, but their tissue-specific distribution suggests that they serve distinct biological functions in different cell types. As with CARMA1, the CARD domain of CARMA2 has been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF- $\kappa$ B activation. When expressed in cells, this protein activated NF- $\kappa$ B and induced the phosphorylation of BCL10. Alternative splicing of CARMA2 results in isoforms that possess differential effects on NF- $\kappa$ B activation and endoplasmic reticulum stress-induced cell death.

**Synonyms:**

BIMP2; CARMA2; PRP; PSORS2; PSS1

**Product images:**

Immunohistochemistry of CARMA2 in human placenta tissue with CARMA2 antibody at 5 ug/mL.