

## Rabbit anti-Human CARD9 Polyclonal Antibody | anti-CARD9 antibody

Rabbit anti-CARD9 Antibody, Affinity Purified

|                               |                       |                            |                                                          |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------------|
| CATALOG #<br><b>AAA213472</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunoprecipitation, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------------|

### PRODUCT SYNONYMS

CARD9; Polyclonal Antibody; Rabbit anti-CARD9 Antibody; Affinity Purified; hCARD9; CANDF2; caspase recruitment domain-containing protein 9; Caspase recruitment domain-containing protein 9; caspase recruitment domain family member 9; anti-CARD9 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human                                                                                     |
| Clonality                                       | Polyclonal                                                                                |
| Purity/Purification                             | Antigen Affinity Purified                                                                 |
| Form/Format                                     | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                   | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-CARD9 antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Immunogen                                       | Between 450 and 500                                                                       |
| Conjugation                                     | Unconjugated                                                                              |
| Preparation and Storage                         | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### WB (Western Blot)

Detection of human CARD9 by western blot. Samples: Whole cell lysate (50 ug) from SW620 and HT-29 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CARD9 antibody (AAA213472 lot 2) used for WB at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



#### IP (Immunoprecipitation)

Detection of human CARD9 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from SW620 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CARD9 antibody (AAA213472 lot 2) used for IP at 1 ug per reaction. CARD9 was also immunoprecipitated by a previous lot of this antibody (lot AAA213472-1). For blotting immunoprecipitated CARD9, AAA213472 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

## ADDITIONAL INFORMATION

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| Related Product Information for anti-CARD9 antibody | CARD9 is an adapter protein that plays a key role in innate immune response to a number of intracellular pathogens, such as C.albicans and L.monocytogenes. Is at the crossroads of ITAM-tyrosine kinase and the Toll-like receptors (TLR) and NOD2 signaling pathways. Probably controls various innate immune response pathways depending on the intracellular pathogen. In response to L.monocytogenes infection, acts by connecting NOD2 recognition of peptidoglycan to downstream activation of MAP kinases (MAPK) without activating NF-kappa-B. Also involved in activation of myeloid cells via classical ITAM-associated receptors and TLR: required for TLR-mediated activation of MAPK, while it is not required for TLR-induced activation of NF-kappa-B (By similarity). Controls CLEC7A (dectin-1)-mediated myeloid cell activation induced by the yeast cell wall component zymosan, leading to cytokine production and innate anti-fungal immunity: acts by regulating BCL10-MALT1-mediated NF-kappa-B activation pathway. Activates NF-kappa-B via BCL10. In response to the hyphal form of C.albicans, mediates CLEC6A (dectin-2)-induced I-kappa-B kinase ubiquitination, leading to NF-kappa-B activation via interaction with BCL10. In response to fungal infection, may be required for the development and subsequent differentiation of interleukin 17-producing T helper (TH-17) cells. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9H257].+B3:B11 |
| Product Categories/Family for anti-CARD9 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                        | 16554562                                                                                |
| NCBI GeneID                      | 64170                                                                                   |
| NCBI Accession #                 | NP_434701.1                                                                             |
| NCBI GenBank Nucleotide #        | NM_052814.3                                                                             |
| UniProt Accession #              | Q9H257; Q5SXM5                                                                          |
| Molecular Weight                 | 62,241 Da                                                                               |
| NCBI Official Full Name          | caspase recruitment domain-containing protein 9 isoform 2                               |
| NCBI Official Synonym Full Names | caspase recruitment domain family, member 9                                             |
| NCBI Official Symbol             | CARD9                                                                                   |
| NCBI Official Synonym Symbols    | CANDF2; hCARD9                                                                          |
| NCBI Protein Information         | caspase recruitment domain-containing protein 9; OTTHUMP00000022569; OTTHUMP00000022571 |
| UniProt Protein Name             | Caspase recruitment domain-containing protein 9                                         |
| UniProt Gene Name                | <b>CARD9</b>                                                                            |
| UniProt Synonym Gene Names       | hCARD9                                                                                  |
| UniProt Entry Name               | CARD9_HUMAN                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/card9-antibody-immunoprecipitation-western-blot-elisa/213472>