

Rabbit anti-Human, Mouse CARD9 Polyclonal Antibody | anti-CARD9 antibody

CARD9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327477	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CARD9; Polyclonal Antibody; CARD9 Antibody; CANDF2; CARD9_HUMAN; Caspase recruitment domain family member 9; Caspase recruitment domain-containing protein 9; hCARD9; anti-CARD9 antibody

PRODUCT SPECIFICATIONS

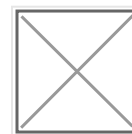
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CARD9 antibody detects endogenous levels of total CARD9
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	536
Applicable Applications for anti-CARD9 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CARD9
Subcellular Location	Cytoplasm.
Tissue Specificity	Highly expressed in spleen. Also detected in liver, placenta, lung, peripheral blood leukocytes and in brain.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Dog, Chicken
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Dog (100%), Chicken (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of CARD9 using K562 whole cell lysates



IF (Immunofluorescence)

AAA327477 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CARD9 antibody	Function: 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. Subunit Structure: Interacts with NOD2 (via NACHT domain) (PubMed:24960071). Interacts with RIPK2 (By similarity). Interacts with VHL; without leading to protein degradation (By similarity). Self-associates. Interacts (via CARD domain) with BCL10 (via CARD domain) (PubMed:11053425). Post-translational Modifications: Phosphorylated at Thr-531 and Thr-533 by CK2 following interaction with VHL, leading to inhibit the ability to activate NF-kappa-B.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47717131
NCBI GeneID	64170
NCBI Accession #	NP_434700.2
NCBI GenBank Nucleotide #	NM_052813.4
UniProt Accession #	Q9H257; Q5SXM5; Q5SXM6; Q9H854
Molecular Weight	Observed: 62 kDa Predicted: 63 kDa
NCBI Official Full Name	caspase recruitment domain-containing protein 9 isoform 1
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
UniProt Protein Name	Caspase recruitment domain-containing protein 9
UniProt Gene Name	CARD9
UniProt Synonym Gene Names	hCARD9

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/card9-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327477>