

Rabbit anti-Human CARD11 Polyclonal Antibody | anti-CARD11 antibody

CARD11 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327263	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

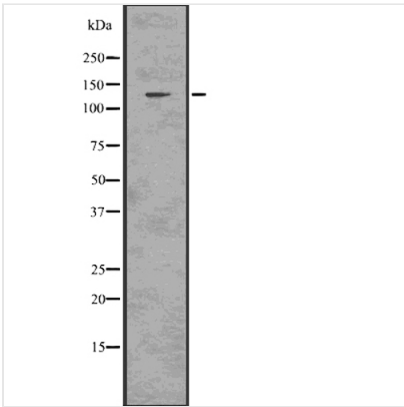
PRODUCT SYNONYMS

CARD11; Polyclonal Antibody; CARD11 Antibody; 0610008L17Rik; 2410011D02Rik; Bcl10 interacting maguk protein 3; BIMP 3; BIMP3; CAR11_HUMAN; CARD 11; CARD containing MAGUK protein 3; Card maguk protein 1; CARD-containing MAGUK protein 1; CARD11 protein; Carma 1; CARMA1; Caspase recruitment domain containing protein 11; Caspase recruitment domain family member 11; Caspase recruitment domain-containing protein 11; MGC133069; anti-CARD11 antibody

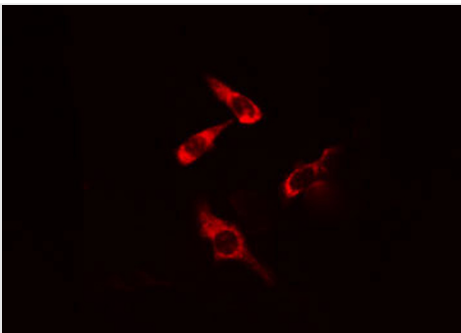
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CARD11 antibody detects endogenous levels of total CARD11
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	1154
Applicable Applications for anti-CARD11 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CARD11
Subcellular Location	Cytoplasm. Membrane raft. Colocalized with DPP4 in membrane rafts.
Tissue Specificity	Detected in adult peripheral blood leukocytes, thymus, spleen and liver. Also found in promyelocytic leukemia HL-60 cells, chronic myelogenous leukemia K-562 cells, Burkitt's lymphoma Raji cells and colorectal adenocarcinoma SW480 cells. Not detected in HeLaS3, MOLT-4, A-549 and G431 cells.
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 CARD11 using HepG2 whole lysates.



IF (Immunofluorescence)
AAA327263 staining COLO205 cells 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) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CARD11 antibody	Function: Involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Its binding to DPP4 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Activates NF-kappa-B via BCL10 and IKK. Stimulates the phosphorylation of BCL10. Also activates the TORC1 signaling pathway. Subunit Structure: Found in a membrane raft complex, at least composed of BCL10, CARD11, DPP4 and IKBKB. CARD11 and BCL10 bind to each other by CARD-CARD interaction. Interacts (via PDZ domain) with DPP4 (via cytoplasmic tail). Interacts with BCL10; as part of a CBM (CARD11-BCL10-MALT1) complex involved in NF-kappa-B activation (PubMed:28628108). Post-translational Modifications: Phosphorylation at Ser-559, Ser-644 and Ser-652 by PRKCB and PRKCQ leads to a shift from an inactive to an active form that activates the NF-kappa-B signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1023301064
NCBI GeneID	84433
NCBI Accession #	NP_001311210.1
NCBI GenBank Nucleotide #	NM_001324281.1
UniProt Accession #	Q9BXL7; Q2NKN7; Q548H3; A4D1Z7
Molecular Weight	Observed: 133 kDa Predicted: 134 kDa
NCBI Official Full Name	caspase recruitment domain-containing protein 11
NCBI Official Synonym Full Names	caspase recruitment domain family member 11
NCBI Official Symbol	CARD11
NCBI Official Synonym Symbols	PPBL; BENTA; BIMP3; IMD11; CARMA1; IMD11A
NCBI Protein Information	caspase recruitment domain-containing protein 11
UniProt Protein Name	Caspase recruitment domain-containing protein 11
UniProt Gene Name	CARD11
UniProt Synonym Gene Names	; Carma 1

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/card11-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327263>