

Rabbit CARD11 Polyclonal Antibody | anti-CARD11 antibody

Phospho-CARD11 (Ser652) Antibody

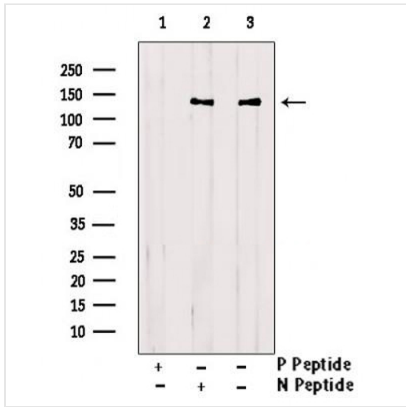
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329489	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (89%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%)	ELISA, Western Blot

PRODUCT SYNONYMS

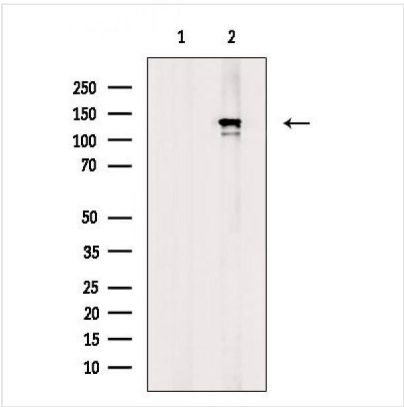
CARD11; Polyclonal Antibody; Phospho-CARD11 (Ser652) Antibody; 0610008L17Rik; 2410011D02Rik; Bcl10 interacting maguk protein 3; BIMP 3; BIMP3; CAR11_HUMAN; CARD 11; CARD containing MAGUK protein 3; Card maguk protein 1; CARD-containing MAGUK protein 1; CARD11 protein; Carma 1; CARMA1; Caspase recruitment 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, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (89%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-CARD11 (Ser652) Antibody detects endogenous levels of CARD11 only when phosphorylated at Ser652. 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.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CARD11 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CARD11 around the phosphorylation site of Ser652.
Conjugation	Unconjugated
Fragment	Fab fragment
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.
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.
Subcellular Location	Cytoplasm. Membrane raft. Note: Colocalized with DPP4 in membrane rafts.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from Jurkat , using Phospho-CARD11 (Ser652) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from RAW264.7 cells(LPS 4h treatment), using Phospho-CARD11 (Ser652) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CARD11 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	172046231
NCBI GeneID	84433
UniProt Accession #	Q9BXL7; Q2NKN7; Q548H3; A4D1Z7
Molecular Weight	133,284 Da
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
NCBI Protein Information	caspase recruitment domain-containing protein 11; carma 1; CARD-containing MAGUK protein 1; bcl10-interacting maguk protein 3
UniProt Protein Name	Caspase recruitment domain-containing protein 11
UniProt Gene Name	CARD11
UniProt Synonym Gene Names	CARMA1; Carma 1
UniProt Entry Name	CAR11_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.