ARG55505
anti-CARD11 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CARD11
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CARD11
Species	Human
Immunogen	Recombinant protein of Human CARD11 (NP_115791.3)
Conjugation	Un-conjugated
Alternate Names	BIMP3; BENTA; PPBL; Caspase recruitment domain-containing protein 11; Carma 1; CARD-containing MAGUK protein 1; IMD11; CARMA1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Raji

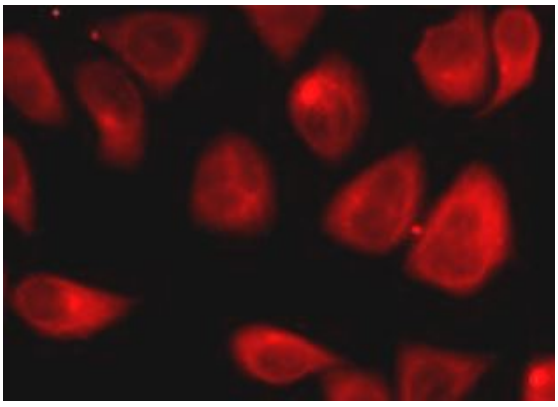
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

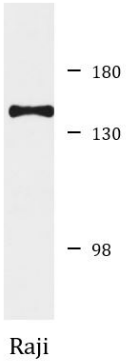
Database links	GeneID: 108723 Mouse GeneID: 84433 Human Swiss-port # Q8CIS0 Mouse Swiss-port # Q9BXL7 Human
Gene Symbol	CARD11
Gene Full Name	caspase recruitment domain family, member 11
Background	The protein encoded by this gene belongs to the membrane-associated guanylate kinase (MAGUK) family, a class of proteins that functions as molecular scaffolds for the assembly of multiprotein complexes at specialized regions of the plasma membrane. This protein is also a member of the CARD protein family, which is defined by carrying a characteristic caspase-associated recruitment domain (CARD). This protein has a domain structure similar to that of CARD14 protein. The CARD domains of both proteins have been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. When expressed in cells, this protein activated NF-kappaB and induced the phosphorylation of BCL10. [provided by RefSeq, Jul 2008]
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. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	133 kDa
PTM	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.

Images



ARG55505 anti-CARD11 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG55505 anti-CARD11 antibody.



ARG55505 anti-CARD11 antibody WB image

Western blot: Raji cell lysate stained with ARG55505 anti-CARD11 antibody.