

## ARG55410 anti-CARD11 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CARD11
Tested Reactivity	Ms
Predict Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CARD11
Species	Human
Immunogen	Synthetic peptide within the last 50 aa of Human CARD11.
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	20 µg/ml
	IHC-P	20 µg/ml
	WB	2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse Thymus Tissue Lysate	

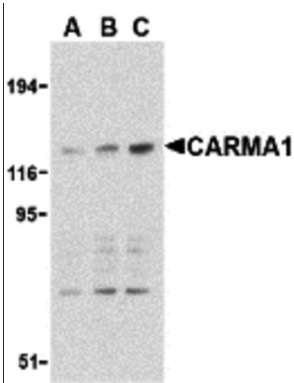
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
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 or below. 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.

Bioinformation

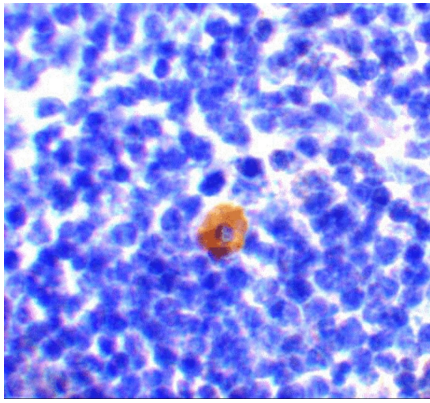
Database links	<a href="#">GeneID: 108723 Mouse</a> <a href="#">Swiss-port # Q8CIS0 Mouse</a>
Gene Symbol	CARD11
Gene Full Name	caspase recruitment domain family, member 11
Background	The protein encoded by this gene belongs to the membrane-associated guanylate kinase (MAGUK) family, a class of proteins 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



ARG55410 anti-CARD11 antibody WB image

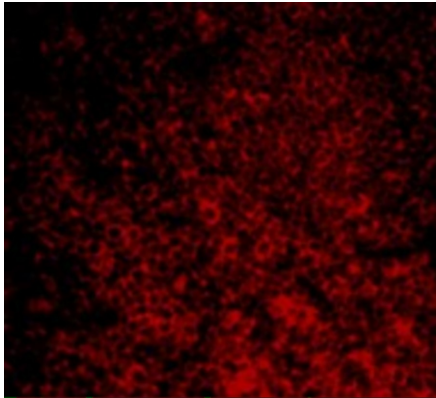
Western blot: 2 µg of Mouse thymus cell lysate stained with ARG55410 anti-CARD11 antibody.



ARG55410 anti-CARD11 antibody IHC image

Immunohistochemistry: Mouse thymus stained with ARG55410 anti-CARD11 antibody at 10 µg/ml dilution.

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ARG55410 anti-CARD11 antibody ICC/IF image

Immunofluorescence: Mouse Spleen cells stained with ARG55410 anti-CARD11 antibody at 20 µg/ml dilution.

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