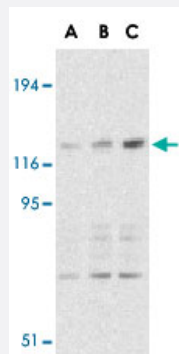


CARD11 polyclonal antibody

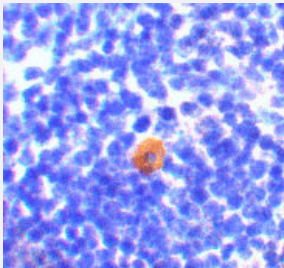
Catalog # PAB12907 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of CARD11 expression in mouse thymus tissue lysate with CARD11 polyclonal antibody (Cat # PAB12907) at 0.5 (lane A), 1 (lane B), and 2 ug /mL (lane C), respectively.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of CARD11 in mouse thymus with CARD11 polyclonal antibody (Cat # PAB12907) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CARD11.
Immunogen	A synthetic peptide corresponding to C-terminus of human CARD11.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	A band at approximately 125 KDa can be detected.
Form	Liquid

Recommend Usage	Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of CARD11 expression in mouse thymus tissue lysate with CARD11 polyclonal antibody (Cat # PAB12907) at 0.5 (lane A), 1 (lane B), and 2 ug /mL (lane C), respectively.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of CARD11 in mouse thymus with CARD11 polyclonal antibody (Cat # PAB12907) at 10 ug/mL .

Gene Info — CARD11

Entrez GeneID	84433
Protein Accession#	Q9BXL7
Gene Name	CARD11
Gene Alias	BIMP3, CARMA1, MGC133069
Gene Description	caspase recruitment domain family, member 11
Omim ID	607210
Gene Ontology	Hyperlink
Gene Summary	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]

Other Designations

OTTHUMP00000024641|bcl10-interacting maguk protein 3|card-maguk protein 1

Publication Reference

- [Carma1, a CARD-containing binding partner of Bcl10, induces Bcl10 phosphorylation and NF-kappaB activation.](#)

Gaide O, Martinon F, Micheau O, Bonnet D, Thome M, Tschopp J.

FEBS Letters 2001 May; 496(2-3):121.

- [CARD11 and CARD14 are novel caspase recruitment domain \(CARD\)/membrane-associated guanylate kinase \(MAGUK\) family members that interact with BCL10 and activate NF-kappa B.](#)

Bertin J, Wang L, Guo Y, Jacobson MD, Poyet JL, Srinivasula SM, Merriam S, DiStefano PS, Alnemri ES.

The Journal of Biological Chemistry 2001 Apr; 276(15):11877.

- [Protein modules as organizers of membrane structure.](#)

Fanning AS, Anderson JM.

Current Opinion in Cell Biology 1999 Aug; 11(4):432.

Pathway

- [B cell receptor signaling pathway](#)
- [T cell receptor signaling pathway](#)

Disease

- [Sepsis](#)