Datasheet for ABIN7146924

anti-CARD9 antibody (AA 237-536)

3 Images

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Overview

Quantity:	100 µL
Target:	CARD9
Binding Specificity:	AA 237-536
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CARD9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Caspase recruitment domain-containing protein 9 protein (237-536AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	CARD9
Alternative Name:	CARD9 (CARD9 Products)
Background:	Background: Adapter protein that plays a key role in innate immune response to a number of intracellular pathogens, such as C.albicans and L.monocytogenes. Is at the crossroads of

Target Details

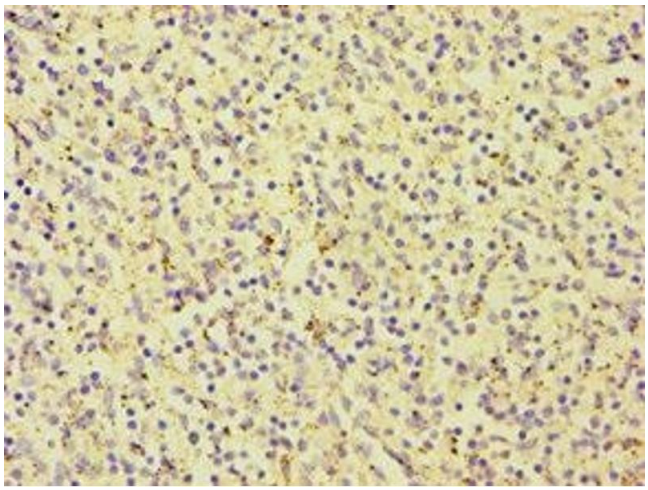
	ITAM-tyrosine kinase and the Toll-like receptors (TLR) and NOD2 signaling pathways. Probably controls various innate immune response pathways depending on the intracellular pathogen. In response to L.monocytogenes infection, acts by connecting NOD2 recognition of peptidoglycan to downstream activation of MAP kinases (MAPK) without activating NF-kappa-B. Also involved in activation of myeloid cells via classical ITAM-associated receptors and TLR: required for TLR-mediated activation of MAPK, while it is not required for TLR-induced activation of NF-kappa-B (By similarity). Controls CLEC7A (dectin-1)-mediated myeloid cell activation induced by the yeast cell wall component zymosan, leading to cytokine production and innate anti-fungal immunity: acts by regulating BCL10-MALT1-mediated NF-kappa-B activation pathway. Activates NF-kappa-B via BCL10. In response to the hyphal form of C.albicans, mediates CLEC6A (dectin-2)-induced I-kappa-B kinase ubiquitination, leading to NF-kappa-B activation via interaction with BCL10. In response to fungal infection, may be required for the development and subsequent differentiation of interleukin 17-producing T helper (TH-17) cells. Aliases: CANDF2 antibody, CARD9 antibody, CARD9_HUMAN antibody, Caspase recruitment domain family member 9 antibody, Caspase recruitment domain-containing protein 9 antibody, hCARD9 antibody
UniProt:	Q9H257
Pathways:	Activation of Innate immune Response

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,
Restrictions:	For Research Use only

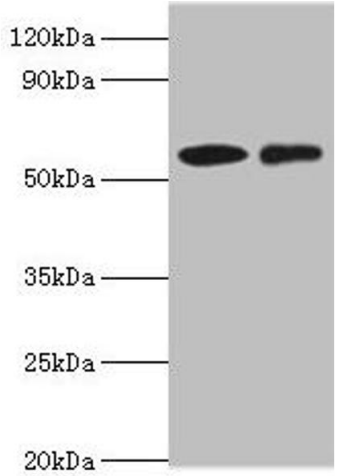
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



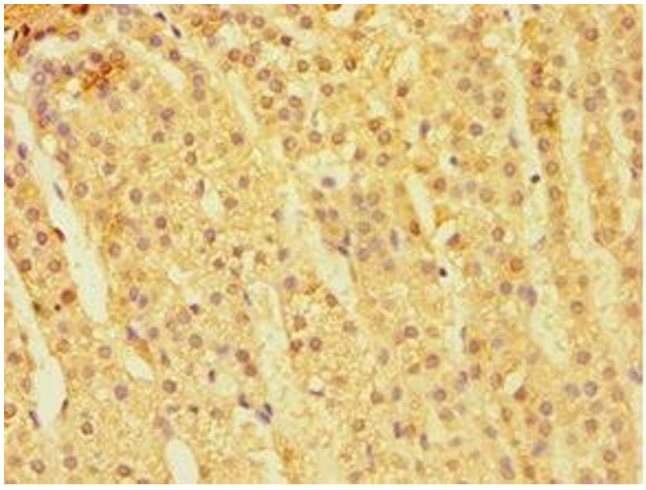
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human spleen tissue using ABIN7146924 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: CARD9 antibody at 15 µg/mL Lane 1: THP-1 whole cell lysate Lane 2: Jurkat whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 63, 57, 43 kDa Observed band size: 63 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human adrenal gland tissue using ABIN7146924 at dilution of 1:100

