

CARD9 Antibody (N-term)

Catalog_no :	AB3765
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN
Specificity :	This CARD9 antibody is generated from a mouse immunized with a recombinant protein from human CARD9.
Dilution :	WB,1:500;WB,1:2000;
Other_name :	Caspase recruitment domain-containing protein 9, hCARD9, CARD9
Isotype :	IgG1, κ
Background :	Adapter protein that plays a key role in innate immune response to a number of intracellular pathogens, such as <i>C.albicans</i> and <i>L.monocytogenes</i> . Is at the crossroads of 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 <i>L.monocytogenes</i> 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 <i>C.albicans</i> , 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.
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