

Mouse anti-Human CARD9 Monoclonal Antibody | anti-CARD9 antibody

CARD9 Antibody (N-term)

CATALOG # AAA290965	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

CARD9; Monoclonal Antibody; CARD9 Antibody (N-term); Purified Mouse Monoclonal Antibody (Mab); Caspase recruitment domain-containing protein 9; hCARD9; anti-CARD9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,kappa
Clone Number	2156CT20.4.85
Specificity	This CARD9 antibody is generated from a mouse immunized with a recombinant protein from human CARD9.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Applicable Applications for anti-CARD9 antibody	WB (Western Blot)
Antigen Source	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

All lanes : Anti-CARD9 Antibody (N-term) at dilution
Lane 1: K562 whole cell lysate
Lane 2: HL-60 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 62 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)

All lanes : Anti-CARD9 Antibody (N-term) at dilution
Lane 1: HL-60 whole cell lysate
Lane 2: THP-1 whole cell lysate
Lane 3: K562 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 62 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-CARD9 antibody	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 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.
Product Categories/Family for anti-CARD9 antibody	Crown Antibodies; Primary Antibodies; Cell Biology
References	Bertin J.,et al.J. Biol. Chem. 275:41082-41086(2000).Ota T.,et al.Nat. Genet. 36:40-45(2004).Humphray S.J.,et al.Nature 429:369-374(2004).Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DBJ databases.Zahedi R.P.,et al.J. Proteome Res. 7:526-534(2008).

NCBI AND UNIPROT INFORMATION

NCBI GI #	11066983
NCBI GeneID	64170
UniProt Accession #	Q9H257; Q5SXM5; Q5SXM6; Q9H854
Molecular Weight	59 kDa
NCBI Official Full Name	Homo sapiens caspase recruitment domain protein 9 mRNA, complete cds
NCBI Official Synonym Full Names	caspase recruitment domain family, member 9
NCBI Official Symbol	CARD9
NCBI Official Synonym Symbols	CANDF2; hCARD9
NCBI Protein Information	caspase recruitment domain-containing protein 9
UniProt Protein Name	Caspase recruitment domain-containing protein 9
UniProt Gene Name	CARD9
UniProt Synonym Gene Names	hCARD9
UniProt Entry Name	CARD9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/card9-antibody-clone-2156ct20-4-85-western-blot-elisa/290965>