BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-CARD9 Antibody (N-term)

Catalog Number: M01410

About CARD9

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.

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Overview

Product Name	Anti-CARD9 Antibody (N-term)
Reactive Species	Human
Description	Boster Bio Anti-CARD9 Antibody (N-term) (Catalog # M01410). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 2156CT20.4.85
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q9H257

Technical Details

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Immunogen	This CARD9 antibody is generated from a mouse immunized with a recombinant protein from human CARD9.
Predicted Reactive Species	Human
Isotype	IgG1,kappa
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:500

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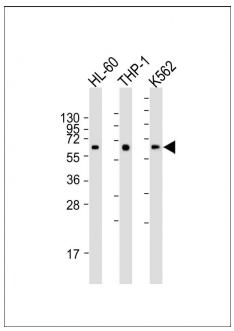
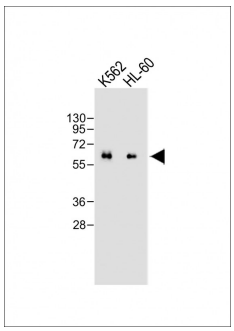
Anti-CARD9 Antibody (N-term) (M01410) Images



All lanes : Anti-CARD9 Antibody (N-term) at dilutionLane 1: HL-60 whole cell lysateLane 2: THP-1 whole cell lysateLane 3: K562 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



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For Research Use Only. Not for use in diagnostic procedures.