

Datasheet for ABIN7599386
anti-CARD9 antibody (AA 1-429)



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Overview

Quantity:	100 µg
Target:	CARD9
Binding Specificity:	AA 1-429
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CARD9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CARD9 Picoband® Antibody
Immunogen:	E.coli-derived human CARD9 recombinant protein (Position: M1-D429).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CARD9 Picoband® Antibody (ABIN7599386). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CARD9
Alternative Name:	CARD9 (CARD9 Products)
Background:	Synonyms: Caspase recruitment domain-containing protein 9. Hcard9. CARD9 Tissue Specificity: Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts. Background: Caspase recruitment domain-containing protein 9 is an adaptor protein of the CARD-CC protein family, which in humans is encoded by the CARD9 gene. It is mapped to 9q34.3. The protein encoded by this gene is a member of the CARD protein family, which is defined by the presence of a characteristic caspase-associated recruitment domain (CARD). CARD is a protein interaction domain known to participate in activation or suppression of CARD containing members of the caspase family, and thus plays an important regulatory role in cell apoptosis. This protein was identified by its selective association with the CARD domain of BCL10, a positive regulator of apoptosis and NF-kappaB activation, and is thought to function as a molecular scaffold for the assembly of a BCL10 signaling complex that activates NF-kappaB. Several alternatively spliced transcript variants have been observed, but their full-length nature is not clearly defined.
Molecular Weight:	63 kDa
Gene ID:	64170
UniProt:	Q9H257
Pathways:	Activation of Innate immune Response

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Hsu, Y.-M. S., Zhang, Y., You, Y., Wang, D., Li, H., Duramad, O., Qin, X.-F., Dong, C., Lin, X. The adaptor protein CARD9 is required for innate immune responses to intracellular pathogens. Nature Immun. 8: 198-205, 2007. 2. Lanternier, F., Pathan, S., Vincent, Q. B., Liu, L., Cypowyj, S., Prando, C., Migaud, M., Taibi, L., Ammar-Khodja, A., Boudghene Stambouli, O., Guellil, B., Jacobs, F., and 21 others. Deep dermatophytosis and inherited CARD9 deficiency. New Eng. J. Med. 369: 1704-1714, 2013. 3. Yang, H., Minamishima, Y. A., Yan, Q., Schlisio, S., Ebert, B. L., Zhang,
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Application Details

X., Zhang, L., Kim, W. Y., Olumi, A. F., Kaelin, W. G., Jr. pVHL acts as an adaptor to promote the inhibitory phosphorylation of the NF-kappa-B agonist Card9 by CK2. Molec. Cell 28: 15-27, 2007.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg NaN₃.

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: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.