

Rabbit anti-Human CARD4 Polyclonal Antibody | anti-NOD1 antibody

CARD4 Antibody (C-term)

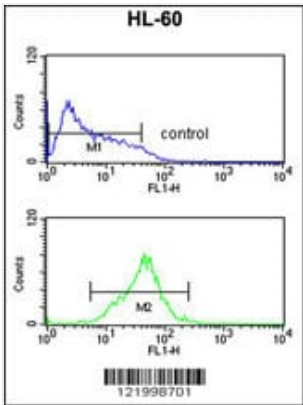
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288764	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

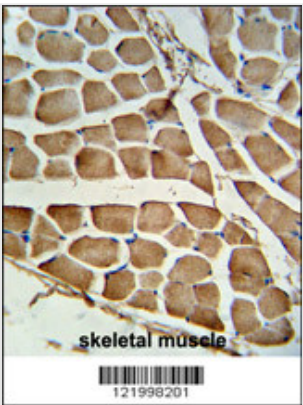
CARD4; Polyclonal Antibody; CARD4 Antibody (C-term); Nucleotide-binding oligomerization domain-containing protein 1; Caspase recruitment domain-containing protein 4; NOD1; anti-NOD1 antibody

PRODUCT SPECIFICATIONS

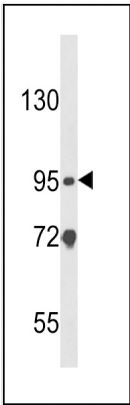
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CARD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 923-951 amino acids from the C-terminal region of human CARD4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.41 (varies by lot)
Sequence Positions	923-951
Sequence Length	953
Applicable Applications for anti-NOD1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CARD4 Antibody (C-term) flow cytometric analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with CARD4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CARD4 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). CARD4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NOD1 antibody	CARD4 is a member of the NOD (nucleotide-binding oligomerization domain) family. This member is a cytosolic protein. It contains an N-terminal caspase recruitment domain (CARD), a centrally located nucleotide-binding domain (NBD), and 10 tandem leucine-rich repeats (LRRs) in its C terminus. The CARD is involved in apoptotic signaling, LRRs participate in protein-protein interactions, and mutations in the NBD may affect the process of oligomerization and subsequent function of the LRR domain. This protein is an intracellular pattern-recognition receptor (PRR) that initiates inflammation in response to a subset of bacteria through the detection of bacterial diaminopimelic acid.
Product Categories/Family for anti-NOD1 antibody	Cell Biology
References	Inohara,N., et.al., J. Biol. Chem. 274 (21), 14560-14567 (1999) Inohara,N.,et.al., J. Biol. Chem. 275 (36), 27823-27831 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174617
NCBI GeneID	10392
NCBI Accession #	NP_006083.1
NCBI GenBank Nucleotide #	NM_006092.2

UniProt Accession #	Q9Y239; Q549U4; Q8IWF5; B4DTU3
Molecular Weight	107691
NCBI Official Full Name	nucleotide-binding oligomerization domain-containing protein 1
NCBI Official Synonym Full Names	nucleotide-binding oligomerization domain containing 1
NCBI Official Symbol	NOD1
NCBI Official Synonym Symbols	CARD4; NLRC1; CLR7.1
NCBI Protein Information	nucleotide-binding oligomerization domain-containing protein 1
UniProt Protein Name	Nucleotide-binding oligomerization domain-containing protein 1
UniProt Gene Name	NOD1
UniProt Synonym Gene Names	CARD4
UniProt Entry Name	NOD1_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/polyclonal/card4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288764>