

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

Polyclonal Antibody to NOD1

CATALOG # AAA78349	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

NOD1; Polyclonal Antibody; Polyclonal Antibody to NOD1; CARD4; Caspase recruitment domain-containing protein 4; Antibody to NOD1; Anti-NOD1 Antibody; NOD1 Antibody; anti-NOD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Serum
Form/Format	50 ul sera
Sequence Length	953
Applicable Applications for anti-NOD1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Information	A synthetic peptide of human NOD1 (amino acids 494-512 QLGLRALPELGPGGDQQS) was used as immunogen for this antibody
Antigen	NOD1
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Fig: 2 Formalin-fixed, paraffin-embedded sections of human colon (A, A1) and pancreas (B, B1) stained for NOD1 expression (NOD1 antibody at 1: 2000) using a DAB chromogen and Hematoxylin counterstain. Magnification: A (20X), A1 (40X). B (10X), B1 (40X).



IHC (Immunohistochemistry)

Fig: 1 Formalin-fixed, paraffin-embedded section of human sebaceous gland (A) and colon (B) stained for NOD1 expression using NOD1 antibody at 1: 2000. Hematoxylin counterstain. 10X magnification

ADDITIONAL INFORMATION

Related Product Information for anti-NOD1 antibody	This antibody recognizes NOD1 (CARD4). Human NOD1 (CARD4) is a 953 amino acid protein. NOD (nucleotide-binding oligomerization domain) proteins are a family of cytosolic proteins which have been implicated in innate recognition of bacteria, the induction of inflammatory responses, and the regulation of caspase activation and apoptosis. NOD1/CARD4 (caspase-recruitment domain 4 gene) is a PRM that recognizes specific peptidoglycan (PGN) components of bacterial cell walls. NOD1 is expressed by cell types that are exposed to PGN under physiological conditions including antigen-presenting cells (APCs) such as macrophages and dendritic cells, and epithelial cells (reviewed in Strober et al. 2006). NOD1 is thought to play a role in the pathogenesis of human gastrointestinal disease and is associated with inflammatory bowel diseases and asthma. It is involved in host defense against Helicobacter pylori infection of the gastric mucosa, a chronic infection that can lead to peptic ulcers and gastric cancer.
Product Categories/Family for anti-NOD1 antibody	Antibodies; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	20137579
NCBI GeneID	10392
UniProt Accession #	Q9Y239; Q549U4; Q8IWF5; B4DTU3
Molecular Weight	27,949 Da
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

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/nod1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/78349>