
NOD1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254339

Unit: 0.1 mg

Description:

NOD1 is a member of the NOD (nucleotide-binding oligomerization domain) family, a group of proteins that are involved in innate immune defense. NOD1 contains an N-terminal caspase recruitment domain (CARD), a centrally located nucleotide-binding domain (NBD), and ten tandem leucine-rich repeats (LRRs) in its C-terminus. The CARD is involved in apoptotic signaling, and NOD1 activates caspase-9 and NF-kappaB. 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.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: NOD1; Nucleotide-binding oligomerization domain containing 1; CARD4; NLRC1; CLR7.1

Accession No.: ADD28350

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human NOD1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.