



Rabbit Anti-Human NOD1 (aa923-951) polyclonal Antibody (CABT-JX103)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Human NOD1
Target	Human NOD1 (aa923-951)
Immunogen	A portion of amino acids 923-951 from the human protein was used as the immunogen for the NOD1 Antibody.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, WB IHC: 1:25; WB: 1:500-1:2000 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	Lot specific
Size	80 µL, 400 µL
Buffer	PBS, pH 7.4, with 0.09% Sodium Azide

Preservative	0.09% Sodium Azide
Storage	Stored at -20°C or colder. Avoid repeated freeze-thaw cycles
Ship	Wet ice

BACKGROUND

Introduction	<p>This gene encodes 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. Multiple alternatively spliced transcript variants differing in the 5' UTR have been described, but the full-length nature of these variants has not been determined.</p>
---------------------	--

Keywords	<p>NOD1; nucleotide-binding oligomerization domain containing 1; CARD4; NLRC1; CLR7.1; nucleotide-binding oligomerization domain-containing protein 1; NLR family, CARD domain containing 1; caspase recruitment domain family, member 4; caspase recruitment domain-containing protein 4; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 1</p>
-----------------	--

GENE INFORMATION

Synonyms	<p>NOD1; nucleotide-binding oligomerization domain containing 1; CARD4; NLRC1; CLR7.1; nucleotide-binding oligomerization domain-containing protein 1; NLR family, CARD domain containing 1; caspase recruitment domain family, member 4; caspase recruitment domain-containing protein 4; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 1</p>
-----------------	--

UniProt ID	Q9Y239
-------------------	------------------------