Anti-NOD1 antibody

Cat. No.	ml161512
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-NOD1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human NOD1
Reactivity	Human, Mouse
Content	0.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	NOD1
Full name	nucleotide-binding oligomerization domain containing 1
Synonyms	CARD4; NLRC1; CLR7.1
Swissprot	Q9Y239

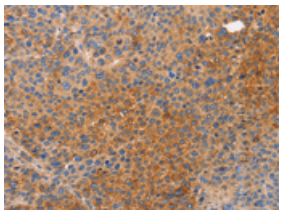
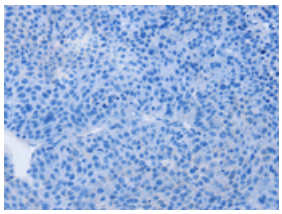
Target Background

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.

Applications

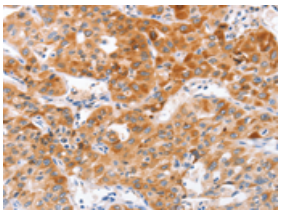
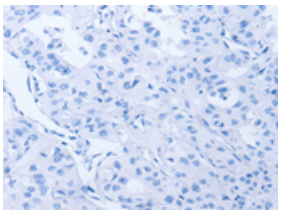
Immunohistochemistry

Predicted cell location: Cytoplasm
Positive control: Human liver cancer
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml161512(NOD1 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm
Positive control: Human lung cancer
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml161512(NOD1 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 1000-5000

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