

NOD1 Rabbit Polyclonal Antibody



CAB1246

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

108kDa

Calculated MW:

27kDa/107kDa

Applications:

WB IHC

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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. 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.

Immunogen information

Gene ID:

10392

Uniprot

Q9Y239

Synonyms:

NOD1; CARD4; CLR7.1; NLRC1

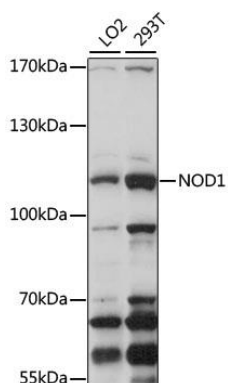
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human NOD1 (NP_006083.1).

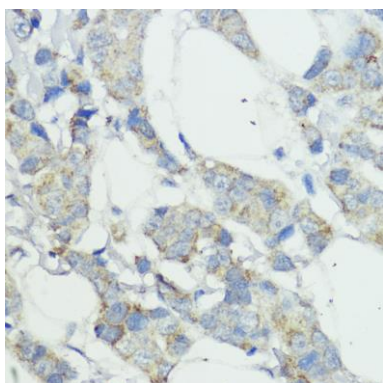
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

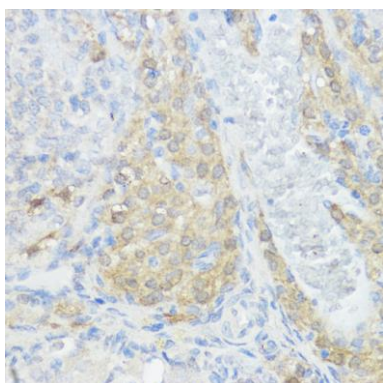
Product Images



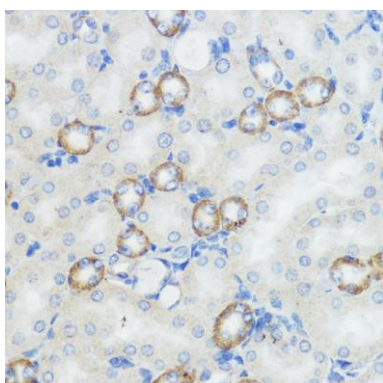
Western blot analysis of extracts of various cell lines, using NOD1 antibody (CAB1246) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 120s.



Immunohistochemistry of paraffin-embedded human mammary cancer using NOD1 antibody (CAB1246) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat ovary using NOD1 antibody (CAB1246) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using NOD1 antibody (CAB1246) at dilution of 1:100 (40x lens).