



# Rabbit Anti-Human NOD1 (aa1-160) polyclonal Antibody (CABT-JX104)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Human NOD1
<b>Target</b>	Human NOD1 (aa1-160)
<b>Immunogen</b>	Human partial recombinant protein (AA 1-160) was used as the immunogen for this NOD1 Antibody
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Rat
<b>Purification</b>	Antigen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, ICC Western blot: 0.5-1µg/ml; IHC (FFPE): 0.5-1µg/ml; ICC (FFPE): 0.5-1µg/ml 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.
<b>Reconstitution</b>	Sterile DI water
<b>Format</b>	Lyophilized
<b>Concentration</b>	0.5mg/ml if reconstituted with 0.2ml sterile DI water
<b>Size</b>	100 µg

<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA, 0.025% Sodium Azide
<b>Preservative</b>	0.025% Sodium Azide
<b>Storage</b>	Stored at 4°C for one month. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Nucleotide-binding oligomerization domain-containing protein 1, also known as CARD4, is a protein receptor that in humans is encoded by the NOD1 gene. It is a member of NOD-like receptor protein family and is a close relative of Nod2. It recognizes bacterial molecules and stimulates an immune reaction. Nod1 contains a caspase recruitment domain (CARD). This gene is an intracellular pattern recognition receptor, which is similar in structure to resistant proteins of plants, and mediates innate and acquired immunity by recognizing bacterial molecules containing D-glutamyl-meso-diaminopimelic acid (iE-DAP) moiety. Additionally, it has been shown that Nod1 can sense cytosolic microbial products by monitoring the activation state of small Rho GTPases.
<b>Keywords</b>	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 domaincontaining protein 4; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 1

## GENE INFORMATION

<b>Synonyms</b>	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 domaincontaining protein 4; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 1
<b>Entrez Gene ID</b>	<a href="#">10392</a>