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# Datasheet for ABIN3032080 anti-NOD1 antibody (AA 1-160)

6 Images



### Overview

Quantity:	100 µg
Target:	NOD1
Binding Specificity:	AA 1-160
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Human partial recombinant protein (AA 1-160) was used as the immunogen for this Nod1 antibody.
lsotype:	lgG
Purification:	Antigen affinity

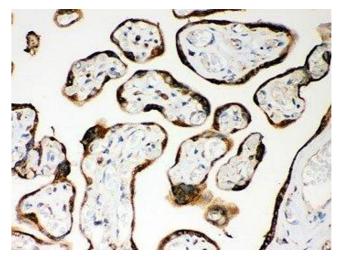
## Target Details

Target:	NOD1
Alternative Name:	Nod1 (NOD1 Products)
Background:	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

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## Target Details

	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.
Gene ID:	10392
Pathways:	Activation of Innate immune Response, Positive Regulation of Endopeptidase Activity, Toll-Like Receptors Cascades, Inflammasome
Application Details	
Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the Nod1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,ICC: 0.5-1 µg/mL
Restrictions:	For Research Use only
Handling	
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Nod1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



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### Immunohistochemistry

**Image 1.** IHC-P: Nod1 antibody testing of human placenta tissue

## Western Blotting

**Image 2.** Western blot testing of Nod1 antibody and Lane 1: human A549; 2: rat heart lysate. Predicted/observed size ~107KD



#### Immunocytochemistry

**Image 3.** ICC testing of human HeLa cells with Nod1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Please check the product details page for more images. Overall 6 images are available for ABIN3032080.

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