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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 |

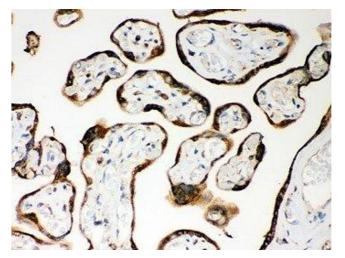
Target Details

| 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. |



| kDa | | | | |
|-------|---|---|--|--|
| 200 - | | | | |
| 116 - | _ | _ | | |
| 97 - | - | - | | |
| 66 - | | | | |
| 44 - | | | | |
| 31 - | | | | |
| 22 - | | | | |
| 14 - | | | | |
| 6 | 1 | 2 | | |

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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