

# Product Datasheet

## NOD1 Antibody NB100-56878

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 4

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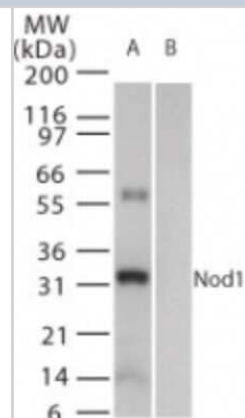
**NB100-56878****NOD1 Antibody**

| <b>Product Information</b>         |                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 0.1 ml                                                                                                                         |
| <b>Concentration</b>               | This product is unpurified. The exact concentration of antibody is not quantifiable.                                           |
| <b>Storage</b>                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                                         |
| <b>Clonality</b>                   | Polyclonal                                                                                                                     |
| <b>Preservative</b>                | 0.025% Sodium Azide                                                                                                            |
| <b>Isotype</b>                     | IgG                                                                                                                            |
| <b>Purity</b>                      | Unpurified                                                                                                                     |
| <b>Buffer</b>                      | Whole antisera with 50% Glycerol                                                                                               |
| <b>Product Description</b>         |                                                                                                                                |
| <b>Host</b>                        | Rabbit                                                                                                                         |
| <b>Gene ID</b>                     | 10392                                                                                                                          |
| <b>Gene Symbol</b>                 | NOD1                                                                                                                           |
| <b>Species</b>                     | Human, Mouse                                                                                                                   |
| <b>Reactivity Notes</b>            | Predicted to cross react with New World Monkey and Mouse. Mouse reactivity reported in scientific literature (PMID: 20615568). |
| <b>Immunogen</b>                   | Amino acids 930-949 of human NOD1 protein were used as the immunogen for this antibody.                                        |
| <b>Product Application Details</b> |                                                                                                                                |
| <b>Applications</b>                | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin                                                              |
| <b>Recommended Dilutions</b>       | Western Blot 1:1000-1:2500, Immunohistochemistry, Immunohistochemistry-Paraffin 1:100                                          |

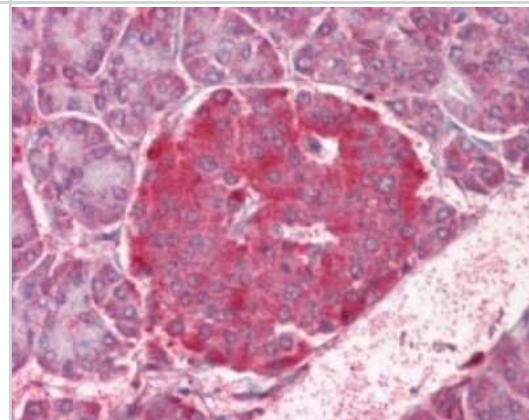


## Images

Western Blot: NOD1 Antibody [NB100-56878] - analysis of NOD1 in (A) recombinant fusion protein containing amino acids 930-949 and (B) fusion partner without these amino acids, using NOD1 antibody at 1:2500.



Immunohistochemistry-Paraffin: NOD1 Antibody [NB100-56878] - analysis of human pancreas using NOD1 antibody at 1:100.



## Publications

Caputa G, Matsushita M, Sanin DE et al. Intracellular infection and immune system cues rewire adipocytes to acquire immune function *Cell metabolism* 2022-05-03 [PMID: 35508110] (KO, WB, Mouse)

Xiang C, Chen P, Zhang Q et al. Intestinal microbiota modulates adrenomedullary response through Nod1 sensing in chromaffin cells *iScience* 2021-08-01 [PMID: 34381974]

Ahn M Y, Kang J K et al. Expression of nucleotide-binding oligomerization domain 1 and 2 in oral lichen planus. *J Dent Sci* 2020-01-03 [PMID: 32256993] (IF/IHC, Human)

Scott MJ, Chen C, Sun Q, Billiar TR. Hepatocytes express functional NOD1 and NOD2 receptors: a role for NOD1 in hepatocyte CC and CXC chemokine production. *J Hepatol.* 2010-10-01 [PMID: 20615568] (WB, Mouse)

Details:

Products cited: NOD1/CARD4 (IMG-5224A) and NOD2/CARD15 (IMG-5738). WB: Mouse C57BL/6 hepatocyte NOD1 & NOD2 siRNA transfected cell line, Fig 4C. Note: The NOD1 (IMG-5224A) and NOD2 (IMG-5738) antibodies were siRNA validated by WB in mouse C57BL/6 hepatocyte



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### **Products Related to NB100-56878**

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|            |                                                     |
|------------|-----------------------------------------------------|
| NBL1-13705 | NOD1 Overexpression Lysate                          |
| HAF008     | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160     | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control                          |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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