

# Product Datasheet

## NOD1 Antibody NB100-56152

Unit Size: 0.05 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-56152](http://www.novusbio.com/NB100-56152)

Updated 4/21/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB100-56152](http://www.novusbio.com/reviews/destination/NB100-56152)



**NB100-56152**

## NOD1 Antibody

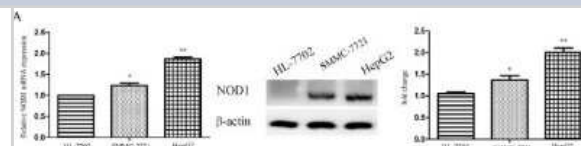
Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera

Product Description	
Host	Rabbit
Gene Symbol	NOD1
Species	Human
Immunogen	A synthetic peptide corresponding to amino acids 494-512 (QLGFLRALPELGPGGDQQS) of human Nod1/CARD4 was used as immunogen; GenBank no. gi 5174617 ref NP_006083.1 .

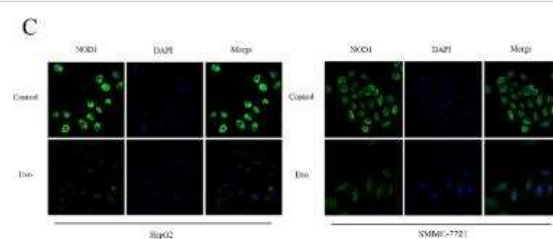
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000

**Images**

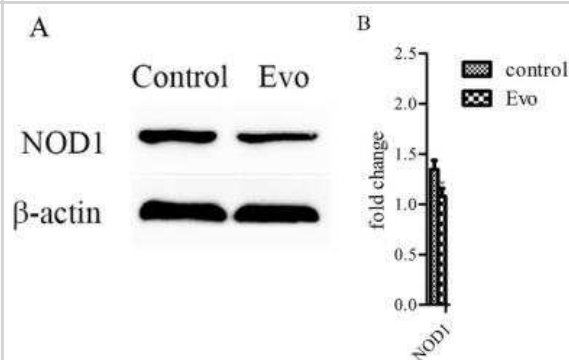
Western Blot: NOD1 Antibody [NB100-56152] - Evo-induced apoptosis of HCC cells occurred via the NOD1 pathway in vivo. (A,B) The mice treated with or without 10 mg/kg of Evo. Levels of proteins in the NOD1 pathway in tumor tissues were detected by the Western blot method. Image collected and cropped by Citeab from the following publication (Evodiamine Induces Apoptosis in SMMC-7721 and HepG2 Cells by Suppressing NOD1 Signal Pathway. Int J Mol Sci (2018)) licensed under a CC-BY license.



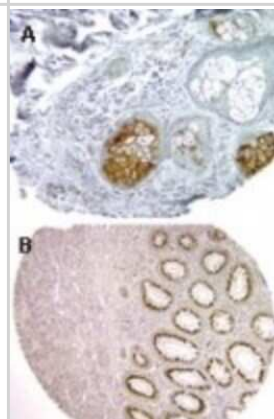
Immunocytochemistry/Immunofluorescence: NOD1 Antibody [NB100-56152] - Immunocytochemistry/Immunofluorescence: NOD1 Antibody [NB100-56152] - Representative images from the immunofluorescence method (x400). HepG2 and SMMC-7721 cells were incubated with or without Evo (0, 0.5, and 1  $\mu$ M) for 24 h to detect levels of NOD1 and p-P65. Values are means and standard errors of three separate experiments (\*  $p < 0.05$  and \*\*  $p < 0.01$  versus control). Image collected and cropped by Citeab from the following publication (Evodiamine Induces Apoptosis in SMMC-7721 and HepG2 Cells by Suppressing NOD1 Signal Pathway. *Int J Mol Sci* (2018)) licensed under a CC-BY license.



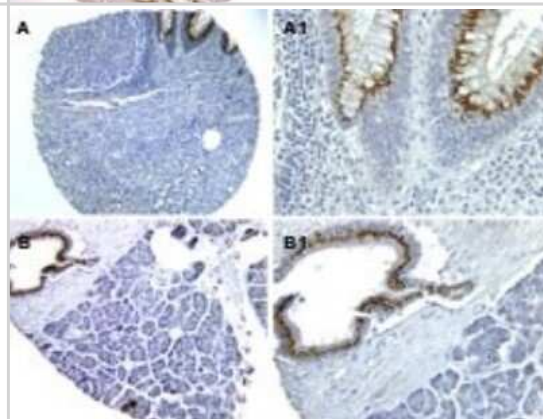
Western Blot: NOD1 Antibody [NB100-56152] - Evo-induced apoptosis of HCC cells occurred via the NOD1 pathway in vivo. (A,B) The mice treated with or without 10 mg/kg of Evo. Levels of proteins in the NOD1 pathway in tumor tissues were detected by the Western blot method. Image collected and cropped by Citeab from the following publication (Evodiamine Induces Apoptosis in SMMC-7721 and HepG2 Cells by Suppressing NOD1 Signal Pathway. *Int J Mol Sci* (2018)) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: NOD1 Antibody [NB100-56152] - Section of human sebaceous gland (A) and colon (B) stained for NOD1 expression using NB100-56152 at 1:2000. Hematoxylin counterstain. 10X magnification.



Immunohistochemistry-Paraffin: NOD1 Antibody [NB100-56152] - Sections of human colon (A, A1) and pancreas (B, B1) stained for NOD1 expression using a DAB chromogen and Hematoxylin counterstain. Magnification: A (20X), A1 (40X). B (10X), B1 (40X).



## Publications

Guo XX, Li XP, Zhou P et al. Evodiamine Induces Apoptosis in SMMC-7721 and HepG2 Cells by Suppressing NOD1 Signal Pathway. *Int J Mol Sci.* 2018-10-31 [PMID: 30384473] (WB, Human)

King AE, Horne AW, Hombach-Klonisch S et al. Differential expression and regulation of nuclear oligomerization domain proteins NOD1 and NOD2 in human endometrium: a potential role in innate immune protection and menstruation. *Mol Hum Reprod.* 2009-05-01 [PMID: 19273470] (IHC-P)

**Details:**

IHC paraffin (female endometrial glandular epithelium, first trimester decidua), Figs. 2a, 2b, 2c, 2d.

Swaan PW, Bensman T, Bahadduri PM et al. Bacterial peptide recognition and immune activation facilitated by human peptide transporter PEPT2. *Am J Respir Cell Mol Biol.* 2008-11-01 [PMID: 18474668] (IP, Human)

**Details:**

IP (human lung cell lysates), Fig. 3C.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-56152**

---

NB820-59205	Human Colon Whole Tissue Lysate (Adult Whole Normal)
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB100-56152](http://www.novusbio.com/reviews/submit/NB100-56152)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

