

# Product Datasheet

## NOD2 Antibody - BSA Free

### NBP2-27328

Unit Size: 0.05 ml

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

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**NBP2-27328**

NOD2 Antibody - BSA Free

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

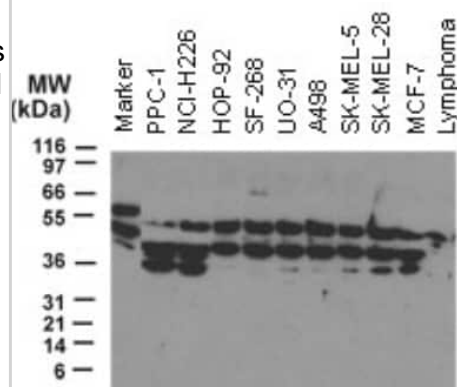
Product Description	
Description	Novus Biologicals Rabbit NOD2 Antibody - BSA Free (NBP2-27328) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-NOD2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	64127
Gene Symbol	NOD2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 20615568).
Immunogen	A synthetic peptide corresponding to amino acids 582-610 of human NOD2/CARD15 was used as immunogen; GenBank no. NP_071445 NOD2 is a 1040 amino acid protein. The immunogen sequence is 100% conserved in certain NOD2 isoforms and mutations. The immunogen sequence corresponds to amino acids 45-63 of a short form of NOD2. This NOD2 short form is 273 amino acids; GenBank no.AAk70868.1 aa 582-600; N-Terminus; human

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000~, Immunohistochemistry, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000~, Immunohistochemistry-Frozen 1:1000-1:5000
Application Notes	NOD2 produces, by alternative splicing, 13 different transcripts, all with introns, putatively encoding 13 different protein isoforms. Therefore, the molecular weights observed for Nod2 on Western blot may vary.

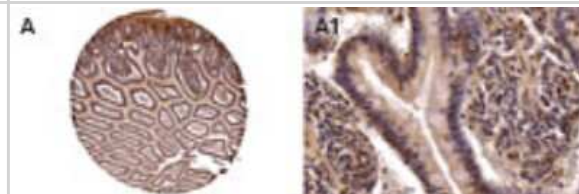


## Images

Western Blot: NOD2 Antibody [NBP2-27328] - Analysis of NOD2 using this antibody at 1:2000. 30 ug total protein was loaded per lane. Samples from human tumor cell lines: PPC-1 (prostate carcinoma), NCI-H226 and NCI-H332M (lung carcinoma), SF-268 (glioblastoma), UO-31 and A498 (renal/kidney carcinoma), SK-MEL-5 and SK-MEL-28 (melanoma), and MCF-7 (breast carcinoma). Lymphoma is from a cell line generated from a tumor growing in nude mice following injection of primary human lymphoma cells.



Immunohistochemistry-Paraffin: NOD2 Antibody [NBP2-27328] - Formalin-fixed, paraffin-embedded normal human colon stained for NOD2 expression using this antibody at 1:2000. A, tissue core from a colon tissue microarray. A1, high magnification of A. Hematoxylin-eosin counterstain.



## Publications

Scurrall E, Stanley R, Schöninger S. Immunohistochemical detection of NOD1 and NOD2 in the healthy murine and canine eye. *Vet Ophthalmol.* 2009-07-01 [PMID: 19604345]

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

Lin ZM, Song Z, Qin W et al. Expression of nucleotide-binding oligomerization domain 2 in normal human dental pulp cells and dental pulp tissues. *J Endod.* 2009-06-01 [PMID: 19482182] (WB, Human)

Details:

Product cited: NOD2/CARD15 (IMG-5738).1. WB: Human dental pulp cells (HDPC), Fig 3.



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### **Products Related to NBP2-27328**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-27118PEP	NOD2 Antibody Blocking Peptide

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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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