

Datasheet for 600-401-DD2**NOD6 Antibody****Overview**

Description:	Anti-NOD6 (RABBIT) Antibody - 600-401-DD2
Item No.:	600-401-DD2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	NOD6, also known as NALP9, is a member of the NALP family, a group of proteins that typically contain a NACHT domain, a NACHT-associated domain (NAD), a C-terminal leucine-rich repeat (LRR) region, and an N-terminal pyrin domain (PYD) and are involved in inflammation and innate immune defense. The bovine NOD6, which has 76% homology to its human counterpart, has been suggested to be an oocyte marker gene. In adult tissues, NALP9 mRNA is expressed exclusively in ovary and testis.
Synonyms:	NOD6 Antibody, NOD6, NALP9, PAN12, CLR19.1, NOD6, NACHT, LRR and PYD domains-containing protein 9, Nucleotide-binding oligomerization domain protein 6
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NLRP9
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NOD6 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the N-terminus of human NOD6.

Purity/Specificity: Anti-NOD6 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with NOD6 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q7RTR0](#)
- [GeneID - 338321](#)
- [NCBI - Q7RTR0](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-NOD6 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 113 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 20 µg/mL

IHC: 10 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

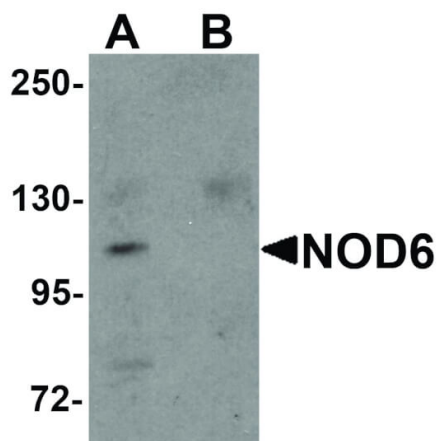
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

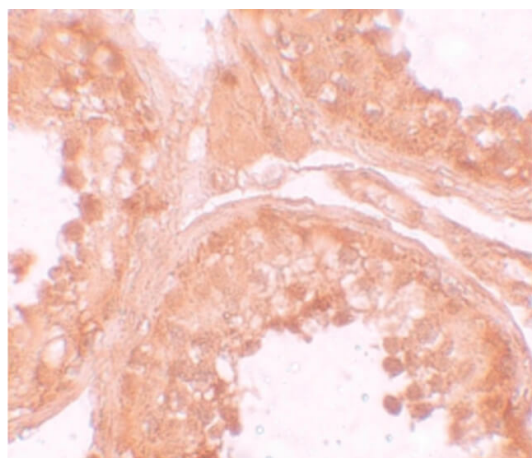
Expiration date is one (1) year from date of receipt.

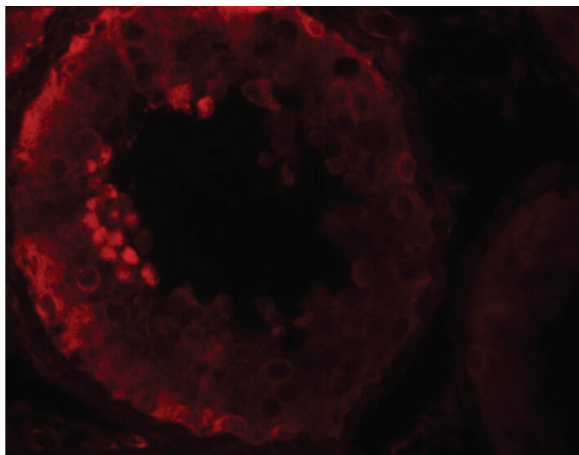
Images**Western Blot**

Western Blot of NOD6 antibody. Lane 1: EL4 cell lysate with NOD6 antibody at 1 µg/mL in the absence of blocking peptide. Lane 2: EL4 cell lysate with NOD6 antibody at 1 µg/mL in the presence of blocking peptide. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 113 kDa, 113 kDa for NOD6. Other band(s): NOD6 splice variants and isoforms.

Immunohistochemistry

Immunohistochemistry of NOD6 antibody. Tissue: Human testis tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NOD6 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NOD6 is cytoplasmic. Staining: NOD6 as precipitated brown signal with purple nuclear counterstain.



**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of NOD6 antibody. Tissue: Human testis tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: NOD6 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NOD6 is cytoplasmic. Staining: NOD6 as red fluorescent signal.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.