

# NOD2 Rabbit Polyclonal Antibody

Catalog No: #54121

Package Size: #54121-1 50ul #54121-2 100ul



**SAB**<sup>®</sup>  
Signalway Antibody

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
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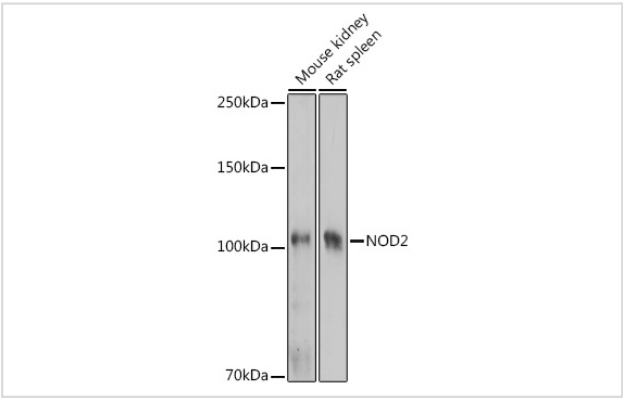
## Description

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Product Name          | NOD2 Rabbit Polyclonal Antibody                                      |
| Host Species          | Rabbit                                                               |
| Clonality             | Polyclonal                                                           |
| Isotype               | IgG                                                                  |
| Purification          | Affinity purification                                                |
| Applications          | WB,IHC,IF                                                            |
| Species Reactivity    | Human,Mouse,Rat                                                      |
| Immunogen Description | Recombinant fusion protein of human NOD2 (NP_071445.1).              |
| Conjugates            | Unconjugated                                                         |
| Other Names           | NOD2;ACUG;BLAU;BLAUS;CARD15;CD;CLR16.3;IBD1;NLRC2;NOD2B;PSORAS1;YAOS |
| Accession No.         | Uniprot:Q9HC29GeneID:64127                                           |
| Calculated MW         | 22kDa/112kDa/115kDa                                                  |
| SDS-PAGE MW           | 100KDa                                                               |
| Formulation           | PBS with 0.02% sodium azide,50% glycerol,pH7.3.                      |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.                          |

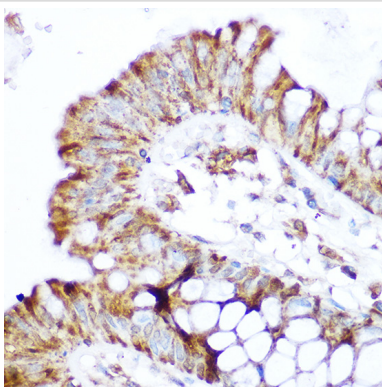
## Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:50 - 1:200

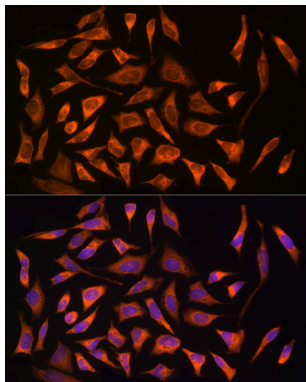
## Images



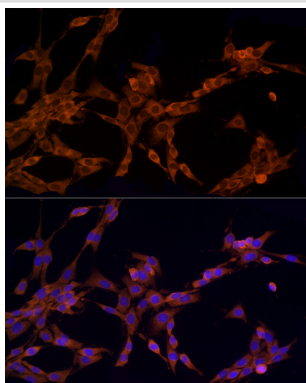
Western blot analysis of extracts of various cell lines, using NOD2 Rabbit pAb.



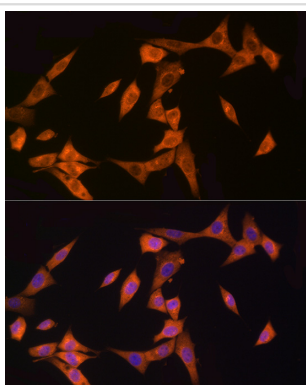
Immunohistochemistry of paraffin-embedded human colon using NOD2 Rabbit pAb.



Immunofluorescence analysis of HeLa cells using NOD2 Rabbit pAb.



Immunofluorescence analysis of PC-12 cells using NOD2 Rabbit pAb.



Immunofluorescence analysis of NIH/3T3 cells using NOD2 Rabbit pAb.

## Background

This gene is a member of the Nod1/Apaf-1 family and encodes a protein with two caspase recruitment (CARD) domains and six leucine-rich repeats (LRRs). The protein is primarily expressed in the peripheral blood leukocytes. It plays a role in the immune response to intracellular bacterial lipopolysaccharides (LPS) by recognizing the muramyl dipeptide (MDP) derived from them and activating the NFκB protein. Mutations in this gene have been associated with Crohn disease and Blau syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

## Published Papers

el at., Pyroptosis-associated genes and tumor immune response in endometrial cancer. In Discov Oncol on 2024 Sep 12

by Xiaodi Gong, Zhifeng Wang,et al..PMID:39264524, , (2024)

[PMID:39264524](#)

Jing Li;Siyu Li;Qian Sun;Ling Li;Yan Zhang;Ziyu Hua el at., H3K18 lactylation-mediated nucleotide-binding oligomerization domain-2 (NOD2) expression promotes bilirubin-induced pyroptosis of astrocytes., , (2025)

[PMID:40075479](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.