

NOD2 Rabbit Polyclonal Antibody

Catalog No: #54121



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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

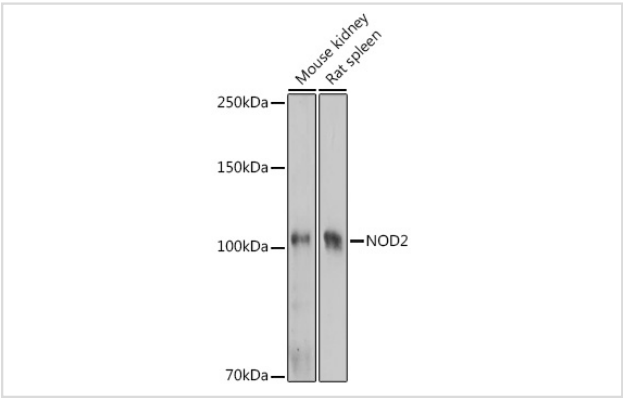
Description

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.

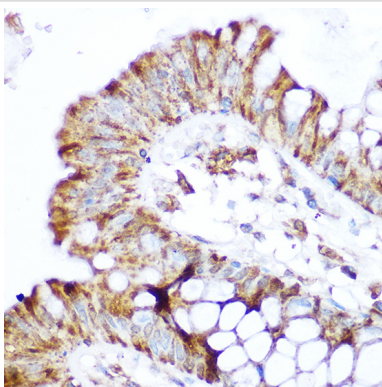
Application Details

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

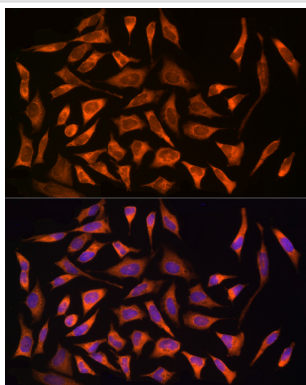
Images



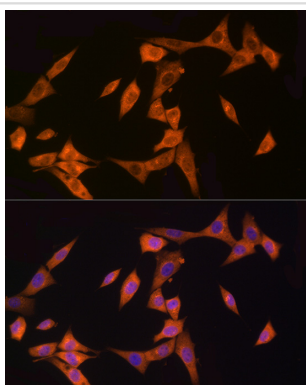
Western blot analysis of extracts of various cell lines, using NOD2 Rabbit pAb.



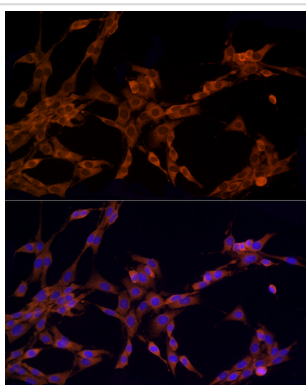
Immunohistochemistry of paraffin-embedded human colon using NOD2 Rabbit pAb.



Immunofluorescence analysis of HeLa cells using NOD2 Rabbit pAb.



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



Immunofluorescence analysis of PC-12 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.