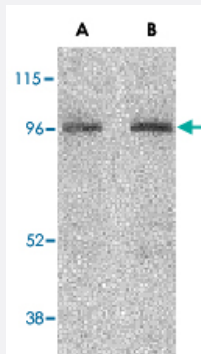


NOD2 polyclonal antibody

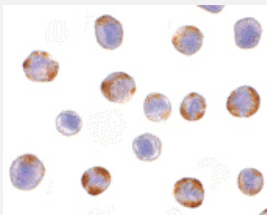
Catalog # PAB13103 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of NOD2 in HeLa cell lysate with NOD2 polyclonal antibody (Cat # PAB13103) at (A) 2 and (B) 4 ug/mL .



Immunocytochemistry

Immunocytochemistry of NOD2 in HeLa cells with NOD2 polyclonal antibody (Cat # PAB13103) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NOD2.
Immunogen	A synthetic peptide corresponding to C-terminus 14 amino acids of human NOD2.
Host	Rabbit
Reactivity	Human
Specificity	NOD2 has no cross-reaction with NOD1.
Form	Liquid

Recommend Usage	Western Blot (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of NOD2 in HeLa cell lysate with NOD2 polyclonal antibody (Cat # PAB13103) at (A) 2 and (B) 4 ug/mL .

- Immunocytochemistry

Immunocytochemistry of NOD2 in HeLa cells with NOD2 polyclonal antibody (Cat # PAB13103) at 10 ug/mL .

Gene Info — NOD2

Entrez GeneID	64127
Protein Accession#	Q9HC29
Gene Name	NOD2
Gene Alias	ACUG, BLAU, CARD15, CD, CLR16.3, IBD1, NLRC2, NOD2B, PSORAS1
Gene Description	nucleotide-binding oligomerization domain containing 2
Omim ID	181000 186580 266600 605956 607507
Gene Ontology	Hyperlink
Gene Summary	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 NFkB protein. Mutations in this gene have been associated with Crohn disease and Blau syndrome. [provided by RefSeq]
Other Designations	NLR family, CARD domain containing 2 NOD-like receptor C2 OTTHUMP00000164224 caspase recruitment domain family, member 15 caspase recruitment domain protein 15 inflammatory bowel disease protein 1 nucleotide-binding oligomerization domain 2 nucleotide-bin

Publication Reference

- [Association of NOD2 leucine-rich repeat variants with susceptibility to Crohn's disease.](#)

Hugot JP, Chamaillard M, Zouali H, Lesage S, Cézard JP, Belaiche J, Almer S, Tysk C, O'Morain CA, Gassull M, Binder V, Finkel Y, Cortot A, Modigliani R, Laurent-Puig P, Gower-Rousseau C, Macry J, Colombel JF, Sahbatou M, Thomas G.

Nature 2001 May; 411(6837):599.

- [A frameshift mutation in NOD2 associated with susceptibility to Crohn's disease.](#)

Ogura Y, Bonen DK, Inohara N, Nicolae DL, Chen FF, Ramos R, Britton H, Moran T, Karaliuskas R, Duerr RH, Achkar JP, Brant SR, Bayless TM, Kirschner BS, Hanauer SB, Núñez G, Cho JH.

Nature 2001 May; 411(6837):603.

Application: WB-Tr, Human, HEK 293T cells

- [Nod1, an Apaf-1-like activator of caspase-9 and nuclear factor-kappaB.](#)

Inohara N, Koseki T, del Peso L, Hu Y, Yee C, Chen S, Carrio R, Merino J, Liu D, Ni J, Núñez G.

The Journal of Biological Chemistry 1999 May; 274(21):14560.

Disease

- [Abscess](#)
- [Acquired Hyperostosis Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Anus Diseases](#)
- [Arthritis](#)
- [Arthropathy](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Autoimmune Diseases](#)
- [Bacteremia](#)

- [Bacterial Infections](#)
- [Behcet Syndrome](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Bronchiolitis Obliterans](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cholangitis](#)
- [Cholelithiasis](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
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- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)

- [Cross Infection](#)
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- [Disease Susceptibility](#)
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- [Enterocolitis](#)
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- [Esophageal Neoplasms](#)
- [Eye Diseases](#)
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- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Graft vs Host Disease](#)

- [Granuloma](#)
- [Granulomatous Disease](#)
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- [Helicobacter Infections](#)
- [HELLP Syndrome](#)
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- [Pulmonary Fibrosis](#)

- [Rectal Fistula](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
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- [Sepsis](#)
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- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uveitis](#)
- [Vaginitis](#)
- [Vision](#)
- [Wegener Granulomatosis](#)
- [Werner syndrome](#)