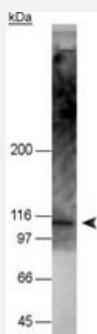


NOD2 monoclonal antibody, clone 2D9

Catalog # MAB2303 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of NOD2 in 50 ug of HT-29 cell lysate with NOD2 monoclonal antibody, clone 2D9 (Cat # MAB2303).



Western Blot (Transfected lysate)

Western blot analysis of NOD2 in NOD2 transfected HEK 293T (Bosc 23) cell lysate with NOD2 monoclonal antibody, clone 2D9 (Cat # MAB2303).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant NOD2.
Immunogen	Recombinant protein corresponding to amino acids 28-301 of human NOD2.
Host	Mouse
Theoretical MW (kDa)	110
Reactivity	Human, Mouse
Specificity	This antibody is specific to NOD2 protein.
Form	Liquid

Purification	Protein G purification
Isotype	IgG1
Recommend Usage	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 short term. 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 50 ug of HT-29 cell lysate with NOD2 monoclonal antibody, clone 2D9 (Cat # MAB2303).

- Western Blot (Transfected lysate)

Western blot analysis of NOD2 in NOD2 transfected HEK 293T (Bosc 23) cell lysate with NOD2 monoclonal antibody, clone 2D9 (Cat # MAB2303).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunoprecipitation

Gene Info — NOD2

Entrez GeneID	64127
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 NFκB 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-binding

Publication Reference

- [Expression of NOD2 in Paneth cells: a possible link to Crohn's ileitis.](#)

Ogura Y, Lala S, Xin W, Smith E, Dowds TA, Chen FF, Zimmermann E, Tretiakova M, Cho JH, Hart J, Greenson JK, Keshav S, Nunez G.

Gut 2003 Nov; 52(11):1591.

Application: IHC-P, WB, Human, HEK 293T, HL-60 cells, Uninvolved terminal ileum

- [Crohn's disease and the NOD2 gene: a role for paneth cells.](#)

Lala S, Ogura Y, Osborne C, Hor SY, Bromfield A, Davies S, Ogunbiyi O, Nunez G, Keshav S.

Gastroenterology 2003 Jul; 125(1):47.

Application: IHC-P, Human, Paneth cells in small intestinal crypts

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](#)
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- [Breast cancer](#)
- [Breast Neoplasms](#)
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- [Carcinoma](#)
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- [Constriction](#)
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- [Edema](#)
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- [Encephalomyelitis](#)
- [Enterocolitis](#)
- [Erythema Nodosum](#)
- [Esophageal Neoplasms](#)
- [Eye Diseases](#)
- [Familial Mediterranean fever](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Fibrosis](#)
- [Gastritis](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
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- [Granulomatous Disease](#)
- [Growth Disorders](#)
- [Helicobacter Infections](#)
- [HELLP Syndrome](#)
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- [Hematologic Neoplasms](#)
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- [Hyperplasia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Ileal Diseases](#)
- [Ileitis](#)
- [Immune System Diseases](#)
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- [Infection](#)
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- [Skin Neoplasms](#)
- [Spondylarthritis](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Stomach Diseases](#)
- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
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- [Urinary Bladder Neoplasms](#)
- [Uveitis](#)
- [Vaginosis](#)

- [Vision](#)
- [Wegener Granulomatosis](#)
- [Werner syndrome](#)