

Rabbit anti-Human NOD2 Polyclonal Antibody | anti-NOD2 antibody

NOD2 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283282	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

NOD2; Polyclonal Antibody; NOD2 Rabbit pAb; CD; ACUG; BLAU; IBD1; YAOS; BLAUS; NLRC2; NOD2B; CARD15; CLR16.3; PSORAS1; anti-NOD2 antibody

PRODUCT SPECIFICATIONS

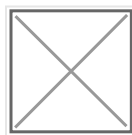
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MCSQEAFAQQ RSQVLVELLS GSLEGFESVL DWLLSWEVLS WEDYEGFHLL GQPLSHLARR LLDTVWNKGT WACQKLIAAA QEAQADSQSP KLHGCWDPHS LHPARDLQSH RPAIVRRLHS HVENMLDLAW ERGFVSQYEC DEIRLPITFP SQRARRLLDL ATVKANGLAA FLLQHVQELP VPLALPLEAA TCKKYMALR TTVSAQSRFL STYDGAETLC LEDIYTENVL EVWADVGMAG PPQ
Applicable Applications for anti-NOD2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant Protein corresponding to a sequence within amino acids 28-270 of human NOD2 (NP_071445.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



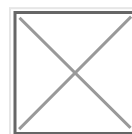
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using NOD2 Rabbit pAb (AAA283282) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



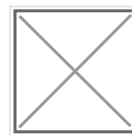
IF (Immunofluorescence)

Immunofluorescence analysis of Hep G2 cells using NOD2 Rabbit pAb (AAA283282) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using NOD2 Rabbit pAb (AAA283282) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and 293T cells transfected with NOD2 using NOD2 Rabbit pAb (AAA283282) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 40.5 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 8s.

ADDITIONAL INFORMATION

Related Product Information for anti-NOD2 antibody	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. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Product Categories/Family for anti-NOD2 antibody	Cell Biology Developmental Biology; Apoptosis; Caspases; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	20137973
NCBI GeneID	64127
UniProt Accession #	Q9HC29; Q96RH5; Q96RH6; Q96RH8; E2JEQ6
Molecular Weight	Calculated MW: 115kDa Observed MW: 115kDa
UniProt Protein Name	Nucleotide-binding oligomerization domain-containing protein 2
UniProt Gene Name	NOD2
UniProt Synonym Gene Names	CARD15; IBD1
UniProt Entry Name	NOD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nod2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283282>