

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

NOD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233078	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

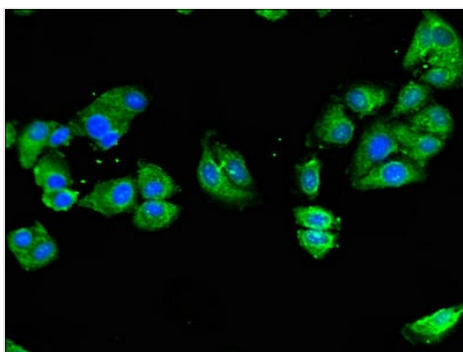
PRODUCT SYNONYMS

NOD2; Polyclonal Antibody; NOD2 Antibody; Nucleotide-binding oligomerization domain-containing protein 2; Caspase recruitment domain-containing protein 15; Inflammatory bowel disease protein 1; CARD15; IBD1; anti-NOD2 antibody

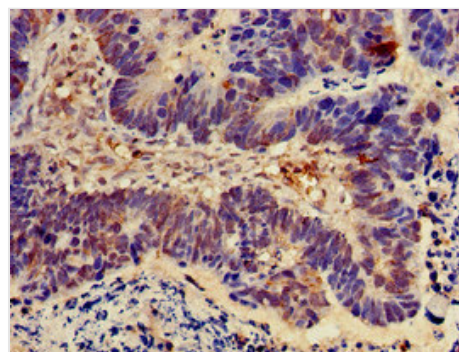
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1013
Applicable Applications for anti-NOD2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Nucleotide-binding oligomerization domain-containing protein 2 protein (460-733AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-23587 / sc-30199
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA233078 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human ovarian cancer using AAA233078 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-NOD2 antibody	Involved in gastrointestinal immunity. Upon stimulation by muramyl dipeptide (MDP), a fragment of bacterial peptidoglycan, binds the proximal adapter receptor-interacting RIPK2, which recruits ubiquitin ligases as XIAP, BIRC2, BIRC3 and the LUBAC complex, triggering activation of MAP kinases and activation of NF-kappa-B signaling. This in turn leads to the transcriptional activation of hundreds of genes involved in immune response. Required for MDP-induced NLRP1-dependent CASP1 activation and IL1B release in macrophages (PubMed: 18511561).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	649572336
NCBI GeneID	64127
NCBI Accession #	NP_001280486.1
NCBI GenBank Nucleotide #	NM_001293557.1
UniProt Accession #	Q9HC29; Q96RH5; Q96RH6; Q96RH8; E2JEQ6
Molecular Weight	22,403 Da
NCBI Official Full Name	nucleotide-binding oligomerization domain-containing protein 2 isoform 2
NCBI Official Synonym Full Names	nucleotide binding oligomerization domain containing 2
NCBI Official Symbol	NOD2
NCBI Official Synonym Symbols	CD; ACUG; BLAU; IBD1; NLRC2; NOD2B; CARD15; CLR16.3; PSORAS1
NCBI Protein Information	nucleotide-binding oligomerization domain-containing protein 2
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.