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Datasheet for ABIN7162076  
**anti-NOD2 antibody (AA 460-733) (HRP)**

### Overview

Quantity:	100 µg
Target:	NOD2
Binding Specificity:	AA 460-733
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOD2 antibody is conjugated to HRP
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Nucleotide-binding oligomerization domain-containing protein 2 protein (460-733AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	NOD2
Alternative Name:	NOD2 ( <a href="#">NOD2 Products</a> )
Background:	Background: Involved in gastrointestinal immunity. Upon stimulation by muramyl dipeptide

## Target Details

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(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).

Aliases: ACUG antibody, Arthrocutaneouveal granulomatosis antibody, BLAU antibody, CARD15 antibody, Caspase recruitment domain family, member 15 antibody, Caspase recruitment domain protein 15 antibody, Caspase recruitment domain-containing protein 15 antibody, CD antibody, CLR16.3 antibody, IBD1 antibody, Inflammatory bowel disease protein 1 antibody, LRR containing protein antibody, NLR family, CARD domain containing 2 antibody, NLRC2 antibody, NOD like receptor C2 antibody, NOD2 antibody, NOD2 protein antibody, NOD2\_HUMAN antibody, NOD2B antibody, nucleotide binding oligomerization domain 2 antibody, Nucleotide binding oligomerization domain containing 2 antibody, Nucleotide binding oligomerization domain, leucine rich repeat and CARD domain containing 2 antibody, Nucleotide-binding oligomerization domain-containing protein 2 antibody, PSORAS1 antibody

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UniProt: [Q9HC29](#)

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Pathways: [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Toll-Like Receptors Cascades](#), [Inflammasome](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Handling

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.