

Datasheet for ABIN7162073  
**anti-NOD2 antibody (AA 460-733)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	NOD2
Binding Specificity:	AA 460-733
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOD2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## 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

(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

UniProt: [Q9HC29](#)

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

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

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

Preservative: ProClin

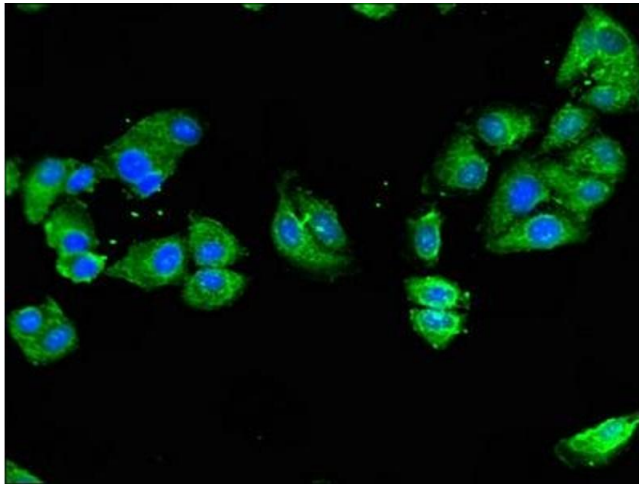
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C, -80 °C

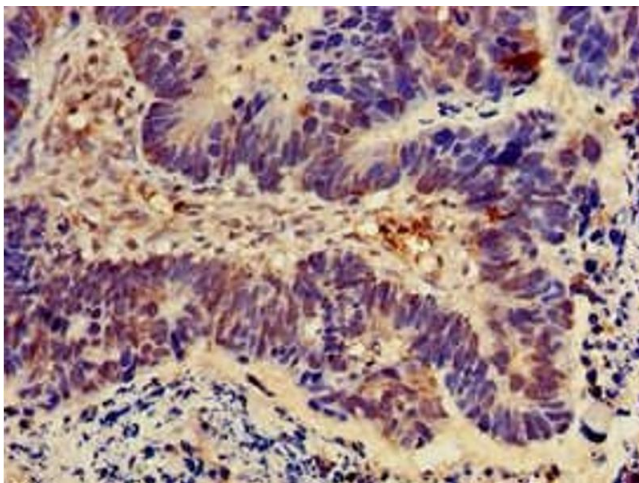
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunofluorescence

**Image 1.** Immunofluorescent analysis of HepG2 cells using ABIN7162073 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human ovarian cancer using ABIN7162073 at dilution of 1:100