

For Research Use Only

# NOD1 Polyclonal antibody

Catalog Number: 14770-1-AP



## Basic Information

Catalog Number:

14770-1-AP

Size:

150ul , Concentration: 350 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6567

GenBank Accession Number:

BC040339

GeneID (NCBI):

10392

UNIPROT ID:

Q9Y239

Full Name:

nucleotide-binding oligomerization domain containing 1

Calculated MW:

108 kDa

Observed MW:

90-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : 4T1 cells, RAW 264.7 cells

## Background Information

NOD1 protein contains a caspase recruitment domain (CARD). NOD1 is a member of NOD-like receptor protein family and is a close relative of NOD2. NOD1 is ubiquitously expressed and recognizes bacterial peptidoglycan fragments, including d-glutamyl-meso-diaminopimelic acid found in gram-negative and some gram-positive bacteria. NOD1 plays a role in innate immunity by acting as a pattern-recognition receptor (PRR) that binds bacterial peptidoglycans and initiates inflammation. This protein has also been implicated in the immune response to viral and parasitic infection.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

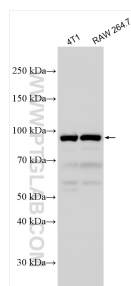
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14770-1-AP (NOD1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.