

# NLRP3 Rabbit pAb

Catalog No.: A24833

## Basic Information

### Observed MW

118kDa/110kDa

### Calculated MW

83kDa/105kDa/111kDa/112kDa/115kDa/  
118kDa

### Category

Primary antibody

### Applications

WB,IF/ICC

### Cross-Reactivity

Human, Mouse

## Background

This gene encodes a pyrin-like protein containing a pyrin domain, a nucleotide-binding site (NBS) domain, and a leucine-rich repeat (LRR) motif. This protein interacts with the apoptosis-associated speck-like protein PYCARD/ASC, which contains a caspase recruitment domain, and is a member of the NALP3 inflammasome complex. This complex functions as an upstream activator of NF-kappaB signaling, and it plays a role in the regulation of inflammation, the immune response, and apoptosis. Mutations in this gene are associated with familial cold autoinflammatory syndrome (FCAS), Muckle-Wells syndrome (MWS), chronic infantile neurological cutaneous and articular (CINCA) syndrome, and neonatal-onset multisystem inflammatory disease (NOMID). Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Alternative 5' UTR structures are suggested by available data; however, insufficient evidence is available to determine if all of the represented 5' UTR splice patterns

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

114548

### Swiss Prot

Q96P20

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 930-1036 human NLRP3(NP\_004886.3).

### Synonyms

NLRP3; AGTAVPRL; AII; AVP; C1orf7; CIAS1; CLR1.1; FCAS; FCAS1; FCU; MWS; NALP3; PYPAF1; NLR family pyrin domain containing 3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

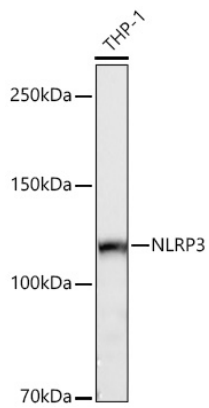
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

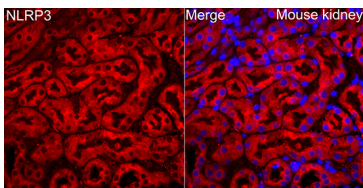
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of lysates from THP-1 cells using NLRP3 Rabbit pAb (A24833) at 1:10000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunofluorescence analysis of paraffin-embedded mouse kidney using NLRP3 Rabbit pAb (A24833) at dilution of 1:200 (40x lens).  
Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.