

A12694

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# NLRP3 Rabbit pAb

Catalog No.: A12694 **86 Publications**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

118kDa

### Category

Antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## 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 NLRP3 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. The SARS-CoV 3a protein, a transmembrane pore-forming viroporin, has been shown to activate the NLRP3 inflammasome via the formation of ion channels in macrophages. Mutations in this gene are associated with familial cold autoinflammatory syndrome (FCAS), Muckle-Wells syndrome (MWS), chronic infantile neurological cutaneous and articular (CINCA) syndrome, neonatal-onset multisystem inflammatory disease (NOMID), keratoendotheliitis fugax hereditarian, and deafness, autosomal dominant 34, with or without inflammation. 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 are biologically valid.

## Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
114548	Q96P20

### Immunogen

Recombinant Protein corresponding to a sequence within amino acids 1-220 of human NLRP3 (NP\_001120934.1).

### Synonyms

All; AVP; FCU; MWS; FCAS; KEFH; CIAS1; FCAS1; NALP3; C1orf7; CLR1.1; DFNA34; PYPAF1; AGTAVPRL; NLRP3

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

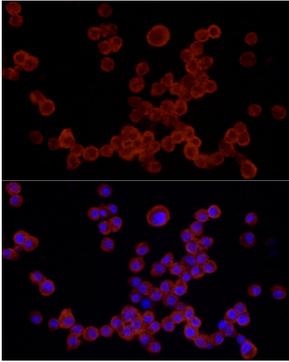
### Storage

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

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

## Validation Data

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Immunofluorescence analysis of RAW264.7 cells using NLRP3 Rabbit pAb (A12694) at dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.