

## Rabbit NLRP3 Polyclonal Antibody | anti-NLRP3 antibody

NLRP3 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA30558  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence |

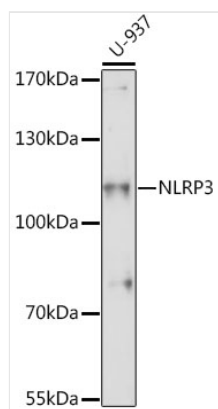
### PRODUCT SYNONYMS

NLRP3; Polyclonal Antibody; NLRP3 Polyclonal Antibody; AGTAVPRL; All; AVP; C1orf7; CIAS1; CLR1.1; FCAS; FCAS1; FCU; MWS; NALP3; PYPAF1; anti-NLRP3 antibody

### PRODUCT SPECIFICATIONS

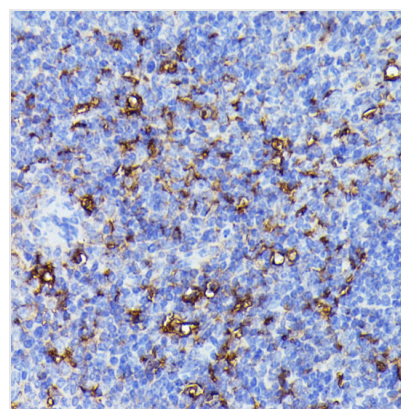
|                                                 |                                                                                                                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                             |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                                                                                                         |
| Isotype                                         | IgG                                                                                                                                                                                                                |
| Purity/Purification                             | Affinity purification                                                                                                                                                                                              |
| Form/Format                                     | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH7.4, 150mM NaCl, 0.02% sodium azide and 239% glycerol.<br>PBS with 0.02% sodium azide, 50% glycerol, pH7.192 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                                                                             |
| Applicable Applications for anti-NLRP3 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)                                                                                                                                             |
| Application Notes                               | WB: 1:1000-1:3000<br>IHC: 1:50-1:200<br>IF: 1:50-1:200                                                                                                                                                             |
| Immunogen                                       | A synthetic peptide of human NLRP3 (NP_001120934.1)                                                                                                                                                                |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                                                                   |

### IMAGES



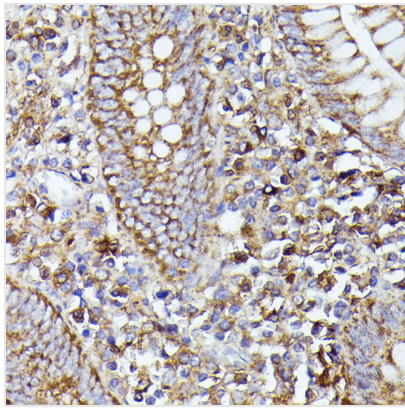
#### WB (Western Blot)

Western blot analysis of extracts of U-937 cells, using NLRP3 antibody at 1:1000 dilution.



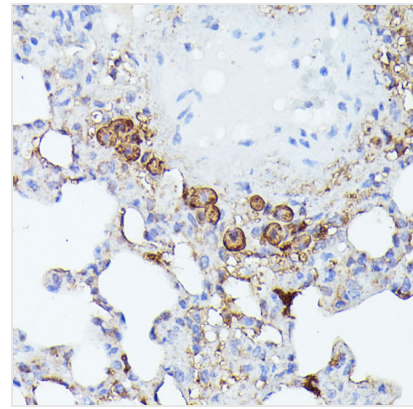
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using NLRP3 antibody at dilution of 1:100.



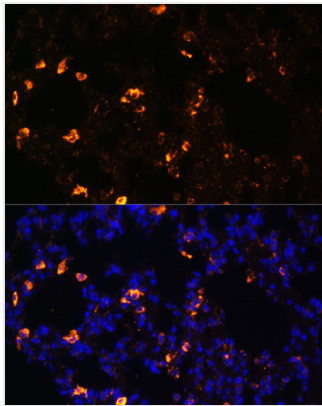
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human appendix using NLRP3 antibody at dilution of 1:100 .



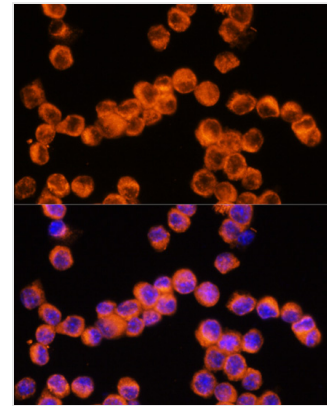
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat lung using NLRP3 antibody at dilution of 1:100 .



#### IF (Immunofluorescence)

Immunofluorescence analysis of rat lung cells using NLRP3 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of Raw264.7 cells using NLRP3 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-NLRP3 antibody</b> | 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 are biologically valid. |
| <b>Product Categories/Family for anti-NLRP3 antibody</b>   | <a href="#">Total protein Ab</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| <b>NCBI GI #</b>                 | <a href="#">188536002</a>                       |
| <b>NCBI GeneID</b>               | <a href="#">114548</a>                          |
| <b>NCBI Accession #</b>          | <a href="#">NP_001120934.1</a>                  |
| <b>NCBI GenBank Nucleotide #</b> | <a href="#">NM_001127462.2</a>                  |
| <b>UniProt Accession #</b>       | <a href="#">Q96P20</a> ; <a href="#">Q65Z67</a> |

|                                         |                                                                                                                                                                                                                                                                  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>                 | 6,129 Da                                                                                                                                                                                                                                                         |
| <b>NCBI Official Full Name</b>          | NACHT, LRR and PYD domains-containing protein 3 isoform d                                                                                                                                                                                                        |
| <b>NCBI Official Synonym Full Names</b> | NLR family, pyrin domain containing 3                                                                                                                                                                                                                            |
| <b>NCBI Official Symbol</b>             | NLRP3                                                                                                                                                                                                                                                            |
| <b>NCBI Official Synonym Symbols</b>    | Ali; AVP; FCU; MWS; FCAS; CIAS1; NALP3; C1orf7; CLR1.1; PYPAF1; AGTAVPRL; FLJ95925                                                                                                                                                                               |
| <b>NCBI Protein Information</b>         | NACHT, LRR and PYD domains-containing protein 3; cryopyrin; OTTHUMP00000038408; OTTHUMP00000038409; OTTHUMP00000038410; OTTHUMP00000038411; OTTHUMP000000230825; caterpillar protein 1.1; PYRIN-containing APAF1-like protein 1; NACHT, LRR and PYD containing p |
| <b>UniProt Protein Name</b>             | NACHT, LRR and PYD domains-containing protein 3                                                                                                                                                                                                                  |
| <b>UniProt Gene Name</b>                | <b>NLRP3</b>                                                                                                                                                                                                                                                     |
| <b>UniProt Synonym Gene Names</b>       | C1orf7; CIAS1; NALP3; PYPAF1; CLR1.1                                                                                                                                                                                                                             |
| <b>UniProt Entry Name</b>               | NALP3_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nlrp3-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/30558>