

Rabbit NLRP3 Polyclonal Antibody | anti-NLRP3 antibody

NLRP3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327137	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

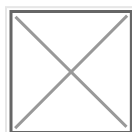
PRODUCT SYNONYMS

NLRP3; Polyclonal Antibody; NLRP3 Antibody; AGTAVPRL; AII/AVP; Angiotensin/vasopressin receptor AII/AVP like; Angiotensin/vasopressin receptor AII/AVP-like; C1orf7; Caterpillar protein 1.1; CIAS 1; CIAS1; CLR1.1; Cold autoinflammatory syndrome 1; Cold autoinflammatory syndrome 1 protein; Cryopyrin; Familial cold autoinflammatory syndrome; FCAS; FCU; LRR and PYD domains-containing protein 3; Muckle-Wells syndrome; MWS; NACHT; NACHT LRR and PYD containing protein 3; NALP 3; NALP3; NALP3_HUMAN; NLR family pyrin domain containing 3; PYPAF 1; PYPAF1; PYRIN containing APAF1 like protein 1; PYRIN-containing APAF1-like protein 1; anti-NLRP3 antibody

PRODUCT SPECIFICATIONS

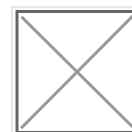
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	NLRP3 Antibody detects endogenous levels of total NLRP3.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mMNaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NLRP3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NLRP3
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Hybridoma cells, using NLRP3 Antibody. The lane on the left was treated with blocking peptide. Western blot analysis of extracts from Hybridoma cells, using NLRP3 Antibody. The lane on the left was treated with blocking peptide.



IHC (Immunohistochemistry)

AAA327137 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IF (Immunofluorescence)

AAA327137 staining HepG2 cells(30min of 4uM Forskolin treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA327137) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).

ADDITIONAL INFORMATION

Related Product Information for anti-NLRP3 antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119395764
NCBI GeneID	114548
NCBI Accession #	NP_001073289.1
NCBI GenBank Nucleotide #	NM_001079821.2
UniProt Accession #	Q96P20; O75434; Q17RS2; Q59H68; Q5JQS8; Q5JQS9; A0A024R5Q0; B2RC97; B7ZKS9; B7ZKT2; B7ZKT3
Molecular Weight	119kDa
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 3 isoform a
NCBI Official Synonym Full Names	NLR family pyrin domain containing 3
NCBI Official Symbol	NLRP3
NCBI Official Synonym Symbols	ALI; AVP; FCU; MWS; FCAS; KEFH; CIAS1; FCAS1; NALP3; C1orf7; CLR1.1; DFNA34; PYPAF1; AGTAVPRL
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 3
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 3
UniProt Gene Name	NLRP3
UniProt Synonym Gene Names	C1orf7; CIAS1; NALP3; PYPAF1; CLR1.1

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-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327137>