Rabbit anti-Human NLRP3 Polyclonal Antibody | anti-NLRP3 antibody

NLRP3 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283240	**Rabbit**	**Human**	**Immunocytochemistry, Immunofluorescence, Western Blot**

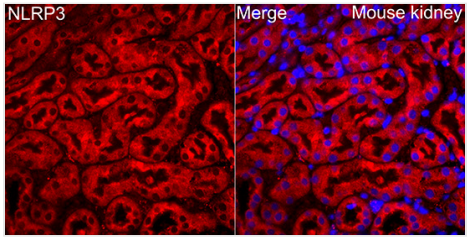
PRODUCT SYNONYMS

NLRP3; Polyclonal Antibody; NLRP3 Rabbit pAb; AGTAVPRL; AII; AVP; C1orf7; CIAS1; CLR1.1; FCAS; FCAS1; FCU; MWS; NALP3; PYPAF1; NLR family pyrin domain containing 3; anti-NLRP3 antibody

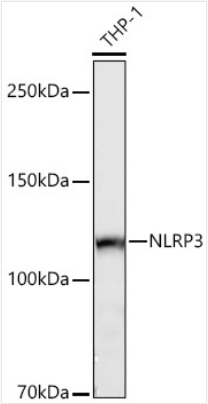
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	KLLCEGLLHP DCKLQVLELD NCNLTSHCCW DLSTLLTSSQ SLRKLSLGNN DLGDLGVMMF CEVLKQQSCL LQNLGLSEMY FNYETKSALE TLQEEKPELT VVFEPSW
Applicable Applications for anti-NLRP3 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 930-1036 human NLRP3(NP_004886.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of paraffin-embedded mouse kidney using NLRP3 Rabbit pAb (AAA283240) 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.



WB (Western Blot)
Western blot analysis of lysates from THP-1 cells using NLRP3 Rabbit pAb (AAA283240) at 1:10000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

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). 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
Product Categories/Family for anti-NLRP3 antibody	Cancer; Signal Transduction; Cell Biology & Developmental Biology; Apoptosis; Growth factor; TNF; Immunology & Inflammation; Cell Intrinsic Innate Immunity Signaling Pathway; Cardiovascular; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	34878690
NCBI GeneID	114548
NCBI Accession #	NP_899632
NCBI GenBank Nucleotide #	NM_183395.2
UniProt Accession #	Q96P20; O75434; Q17RS2; Q59H68; Q5JQS8; Q5JQS9; Q6TG35; Q8TCW0; B2RC97; B7ZKS9; B7ZKT2; B7ZKT3
Molecular Weight	Calculated MW: 83kDa/105kDa/111kDa/112kDa/115kDa/118kDa Observed MW: 118kDa/110kDa
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
UniProt Entry Name	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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