

Goat NALP3 / NLRP3 Polyclonal Antibody | anti-NALP3 antibody

Goat Polyclonal to Human NALP3 / NLRP3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50832	Goat	Human, Monkey	ELISA, Immunohistochemistry

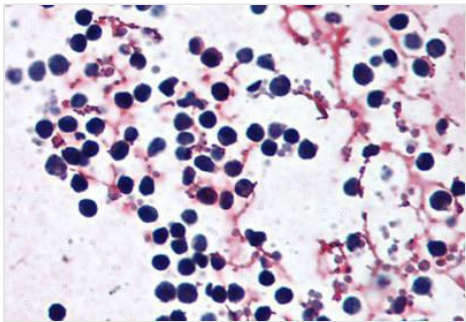
PRODUCT SYNONYMS

NALP3 / NLRP3; Polyclonal Antibody; Goat Polyclonal to Human NALP3 / NLRP3; Anti-NALP3 / NLRP3 Antibody (Internal) IHC-plus; NLRP3; AGTAVPRL; All; C1orf7; Caterpillar protein 1.1; Cryopyrin; FCAS; FCU; PYPAF1; NALP3; CIAS1; CLR1.1; MWS; Human NALP3; anti-NALP3 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Human, Monkey
Clonality	Polyclonal
Specificity	Human NLRP3. This antibody is expected to recognize all five reported isoforms (NP_004886.3; NP_899632.1; NP_001230062.1; NP_001120933.1; NP_001120934.1). Reported variants represent identical protein (NP_004886.3 and NP_001073289.1).
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide
Form/Format	TBS, pH 7.3, 0.02% Sodium Azide, 0.5% BSA
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	1036
Applicable Applications for anti-NALP3 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen Species	Human
Epitope	aa82-93
Immunogen	NALP3 / NLRP3 antibody was raised against peptide with sequence C-DLYEKAKRDEPK from the internal region of the protein sequence according to NP_004886.3; NP_899632.1; NP_001230062.1; NP_001120933.1; NP_001120934.1.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Usage	Immunohistochemistry: It was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat enduced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration was determined to be 2.5 ug/ml
Preparation and Storage	Aliquot and store at -20°C. Avoid freeze-thaw cycles.



IHC (Immunohistochemistry)
Anti-NLRP3 antibody IHC of human peripheral blood leukocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34878693
NCBI GeneID	114548
NCBI Accession #	NP_004886.3
NCBI GenBank Nucleotide #	NM_004895.4
UniProt Accession #	Q96P20; O75434; Q17RS2; Q59H68; Q5JQS8; Q5JQS9; Q6TG35; Q8TCW0; B2RC97; B7ZKS9; B7ZKT2; B7ZKT3
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	AIL; AVP; FCU; MWS; FCAS; CIAS1; FCAS1; NALP3; C1orf7; CLR1.1; PYPAF1; AGTAVPRL
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 3; cryopyrin; caterpillar protein 1.1; PYRIN-containing APAF1-like protein 1; NACHT, LRR and PYD containing protein 3; cold autoinflammatory syndrome 1 protein; NACHT domain-, leucine-rich repeat-, and PYD-containing protein 3; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 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
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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