

Rabbit NLRP3 Polyclonal Antibody | anti-NLRP3 antibody

NLRP3 antibody - N-terminal region

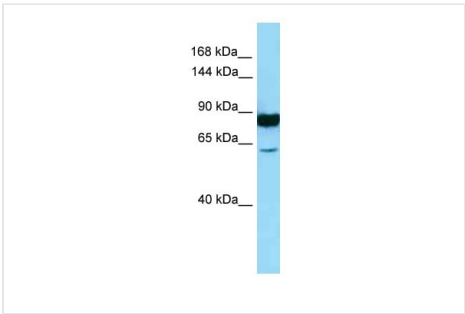
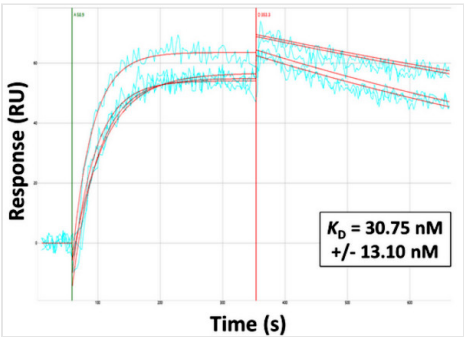
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201177	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Cow, Dog, Horse, Pig, Rabbit	Western Blot

PRODUCT SYNONYMS

NLRP3; Polyclonal Antibody; NLRP3 antibody - N-terminal region; anti-NLRP3 antibody

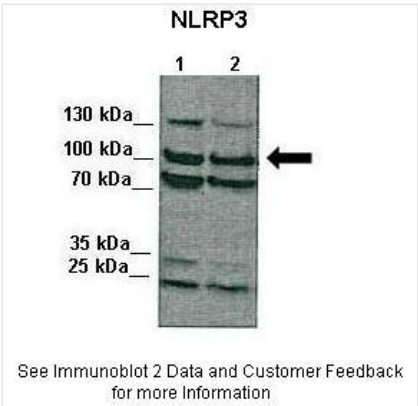
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Cow, Dog, Horse, Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: LG ESVSLNKRYT RLRLIKEHRS QQEREQELLA IGKTKTCESP VSPIKMEL
Sequence Length	1036
Applicable Applications for anti-NLRP3 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 79%; Horse: 93%; Human: 100%; Pig: 93%; Rabbit: 79%
Protein Size (# AA)	1036 amino acids
Protein Interactions	DHX33; FAF1; SUGT1; HSP90AA1; CARD8; PYCARD; NLRC4;
Blocking Peptide	For anti-NLRP3 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
WB Suggested Anti-NLRP3 Antibody Titration: 1.0 ug/ml Positive Control: Fetal Kidney

Application Data
Surface Plasmon Resonance Kinetic Characterization of Polyclonal Antibody Affinity. Purified polyclonal antibodies were immobilized on a Protein A/G coated Carterra LSA sensor chip (PAGH200M) at concentrations of 5, and 50 ug/mL in duplicate. Antibodies on the surface were exposed to interaction with peptides sequentially via microfluidic controlled flow at 333nM peptide concentration for kinetic characterization of the binders for affinity and specificity, followed by curve fitting using the Kinetics software. Kd determinations for both concentrations were averaged and results and standard deviation are shown.



WB (Western Blot)
Lanes: Lane 1: 30ug human glioma lysate Lane 2: 30ug IL-1 treated human glioma lysate Primary Antibody Dilution: 1:500 Secondary Antibody: Anti-rabbit-HRP Secondary Antibody Dilution: 1:500 Gene Name: NLRP3 Submitted by: Anonymous

ADDITIONAL INFORMATION

Related Product Information for anti-NLRP3 antibody	This is a rabbit polyclonal antibody against NLRP3. It was validated on Western Blot Target Description: 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).
Product Categories/Family for anti-NLRP3 antibody	Polyclonal; Transcription Regulation; Various; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	34878693
NCBI GeneID	114548
NCBI Accession #	NP_004886

NCBI GenBank Nucleotide #	NM_004895
UniProt Accession #	Q96P20
Molecular Weight	114kDa
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/nlrp3-antibody-western-blot-elisa/201177>