



Rabbit Anti-NALP3/CIAS1 antibody

SL6655R

Product Name:	NALP3/CIAS1
Chinese Name:	Apoptosis诱导蛋白NALP3抗体
Alias:	LRR and PYD domains-containing protein 3; AGTAVPRL; AII/AVP antibody 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; Muckle-Wells syndrome; MWS; NACHT; NACHT LRR and PYD containing protein 3; NALP 3; NALP3; NALP3_HUMAN; NLRP3; PYPAF 1; PYPAF1 antibody PYRIN containing APAF1 like protein 1; PYRIN-containing APAF1-like protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	114kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cryopyrin:551-630/1036
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

May function as an inducer of apoptosis. Interacts selectively with ASC and this complex may function as an upstream activator of NF-kappa-B signaling. Inhibits TNF-alpha induced activation and nuclear translocation of RELA/NF-KB p65. Also inhibits transcriptional activity of RELA. Activates caspase-1 in response to a number of triggers including bacterial or viral infection which leads to processing and release of IL1B and IL18.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Expressed in blood leukocytes. Strongly expressed in polymorphonuclear cells and osteoblasts. Undetectable or expressed at a lower magnitude in B- and T-lymphoblasts, respectively. High level of expression detected in chondrocytes. Detected in non-keratinizing epithelia of oropharynx, esophagus and ectocervix and in the urothelial layer of the bladder.

Similarity:

Belongs to the NLRP family.
Contains 1 DAPIN domain.
Contains 9 LRR (leucine-rich) repeats.
Contains 1 NACHT domain.

Product Detail:

SWISS:

Q96P20

Gene ID:

114548

Database links:

[Entrez Gene: 114548](#)Human

[Entrez Gene: 216799](#)Mouse

[Entrez Gene: 287362](#)Rat

[Omim: 606416](#)Human

[SwissProt: Q96P20](#)Human

[SwissProt: Q8R4B8](#)Mouse

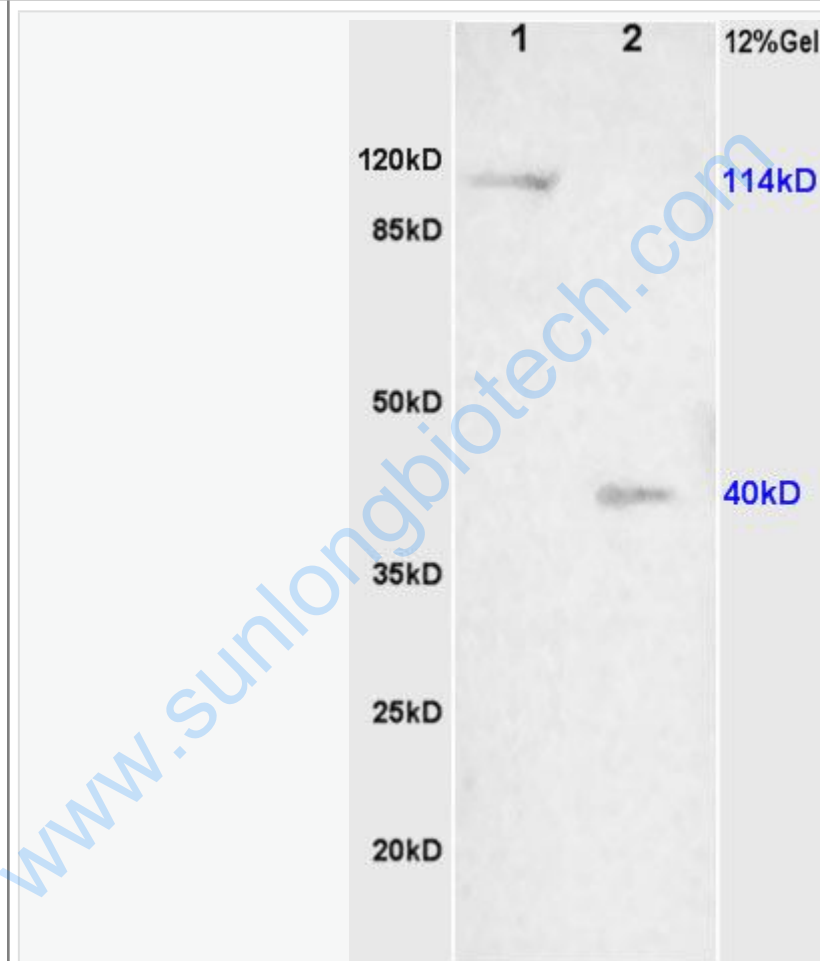
[Unigene: 159483](#)Human

[Unigene: 54174](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Lung (Rat) Lysate at 40 ug

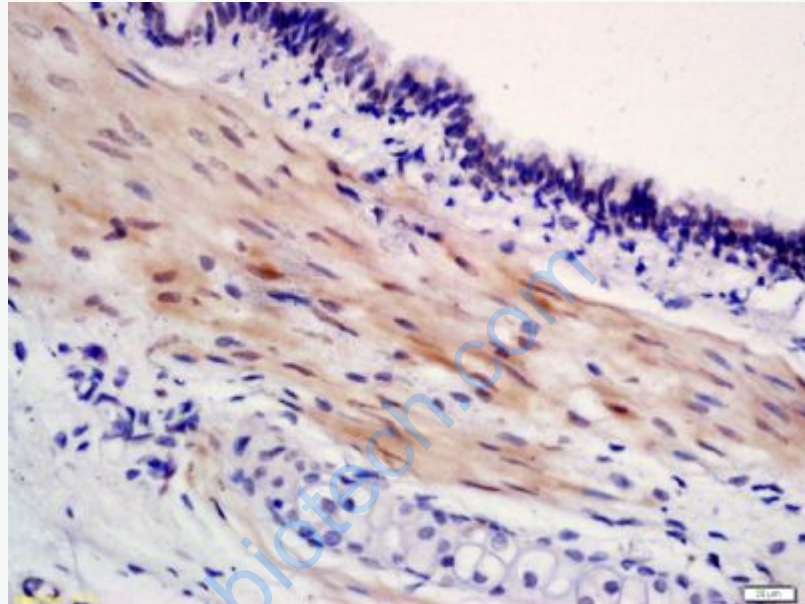
Colon carcinoma (Human) Lysate at 40 ug

Primary: Anti-NALP3/CIAS1 (SL6655R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL6655R) at 1/5000 dilution

Predicted band size: 114 kD

Observed band size: 114 kD



Tissue/cell: Rat tracheal tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer
(normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Cryopyrin Polyclonal Antibody, Unconjugated(SL6655R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining