



Rabbit Anti-NALP12 antibody

SL6864R

Product Name:	NALP12
Chinese Name:	NALP12抗体
Alias:	CLR19.3; FCAS2; Monarch 1; Monarch-1; NACHT, leucine rich repeat and PYD containing 12; NACHT, LRR and PYD containing protein 12; NACHT, LRR and PYD domains-containing protein 12; NAL12_HUMAN; NLR family, pyrin domain containing 12; NLRP12; Nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 12; PAN6; PYPAF7; PYRIN containing APAF1 like protein 7; PYRIN-containing APAF1-like protein 7; Regulated by nitric oxide; RNO; RNO2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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:	117kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NALP12:176-270/1061
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
Product Detail:	May mediate activation of CASP1 via ASC and promote activation of NF-kappa-B via

IKK.NALP proteins are cytoplasmic proteins that form a subfamily within the larger CATERPILLER family and are thought to play a crucial role in cell proliferation and reproduction. Like all other NALP family members, NALP12, also known as Monarch-1, has a C-terminal leucine-rich repeat (LRR) region, an N-terminal Pyrin domain (PYD) followed by a NACHT domain, and a NACHT-associated domain. NALP12 is thought to act as an attenuating factor of inflammation by suppressing inflammatory responses such as NF-kB activation by TLR-signaling molecules MyD88, IRAK-1, TRAF6 and RIPK1 in activated monocytes. Recent evidence suggests that mutations in NALP12 result in hereditary periodic fever syndromes.

Function:

May mediate activation of CASP1 via ASC and promote activation of NF-kappa-B via IKK.

Subunit:

Binds to ASC with its DAPIN domain. Interacts with FAF1 UBA domain via its DAPIN domain.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Detected only in peripheral blood leukocytes, predominantly in eosinophils and granulocytes, and at lower levels in monocytes.

DISEASE:

Defects in NLRP12 are the cause of familial cold autoinflammatory syndrome type 2 (FCAS2) [MIM:611762]. FCAS are rare autosomal dominant systemic inflammatory diseases characterized by episodes of rash, arthralgia, fever and conjunctivitis after generalized exposure to cold.

Similarity:

Belongs to the NLRP family.
Contains 1 DAPIN domain.
Contains 8 LRR (leucine-rich) repeats.
Contains 1 NACHT domain.

SWISS:

P59046

Gene ID:

91662

Database links:

[Entrez Gene: 91662](#)Human

[Entrez Gene: 378425](#)Mouse

[Omin: 609648](#)Human

[SwissProt: P59046](#)Human

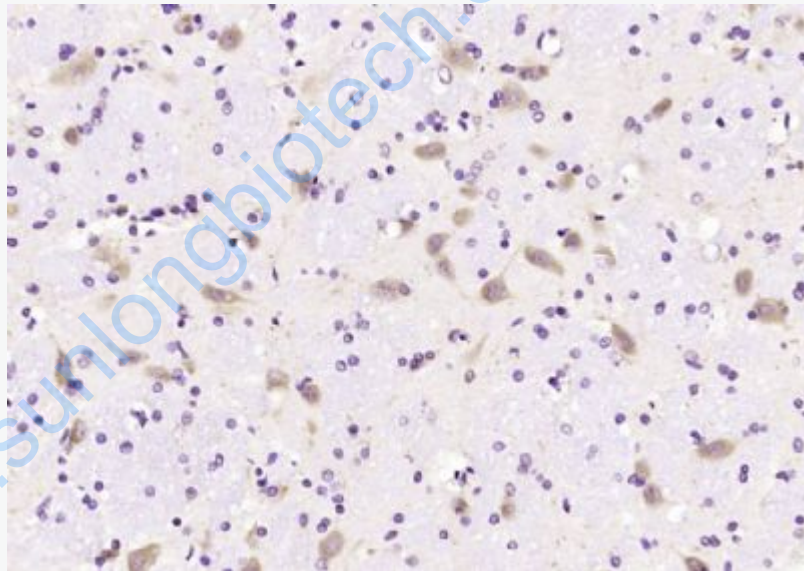
[SwissProt: Q08EE9](#)Mouse

[SwissProt: Q14BA2](#)Mouse

[Unigene: 631573](#)Human

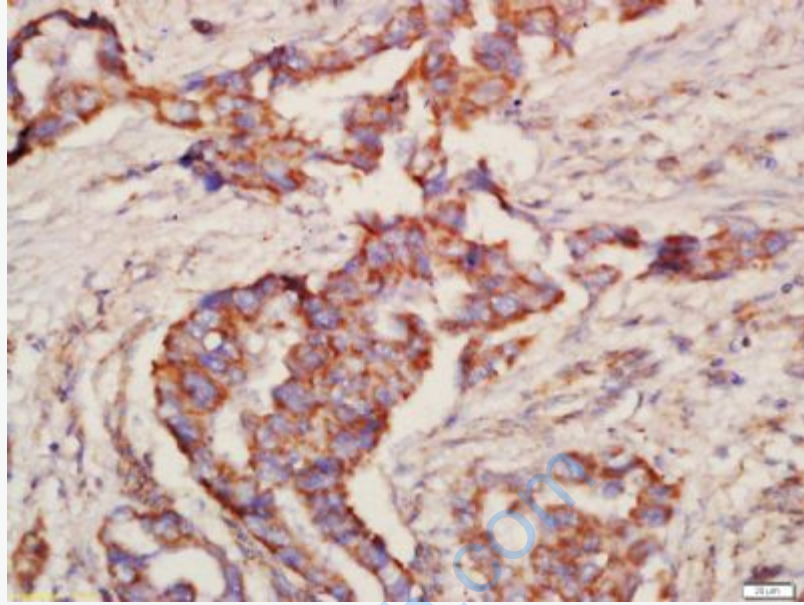
Important Note:

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



Picture:

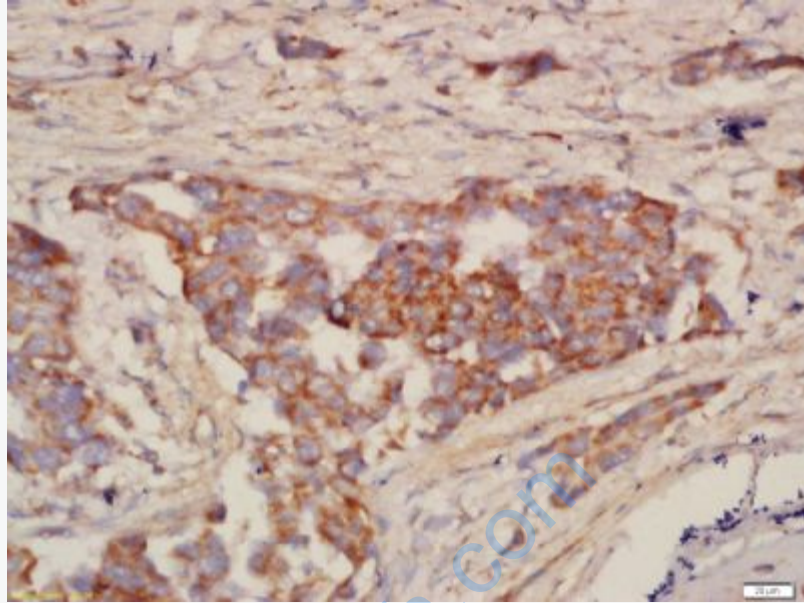
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NALP12) Polyclonal Antibody, Unconjugated (SL6864R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human lung carcinoma; 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-NALP12 Polyclonal Antibody, Unconjugated(SL6864R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Human lung cancer issue; 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-NALP12 Polyclonal Antibody, Unconjugated(SL6864R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining