



Rabbit Anti-NALP4 antibody

SL6855R

Product Name:	NALP4
Chinese Name:	癌/辜丸抗原58抗体
Alias:	Nucleotide binding oligomerization domain, leucine rich repeat and pyrin domain containing 4; Cancer/testis antigen 58; CLR19.5; CT58; NACHT, leucine rich repeat and PYD containing 4; NACHT, LRR and PYD containing protein 4; NACHT, LRR and PYD domains-containing protein 4; NALP4_HUMAN; NLR family, pyrin domain containing 4; NLRP4; NALP4G; PAAD and NACHT containing protein 2; PAAD and NACHT-containing protein 2; PAN2; PYPAF4; PYRIN and NACHT-containing protein 2; PYRIN containing APAF1 like protein 4; PYRIN-containing APAF1-like protein 4; Ribonuclease inhibitor 2; RNH2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Horse,
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:	113kDa
Cellular localization:	cytoplasmicExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NALP4:351-450/994
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

NALPs are cytoplasmic proteins that form a subfamily within the larger CATERPILLER protein family. Most short NALPs, such as NALP4, have an N-terminal pyrin (MEFV; MIM 608107) domain (PYD), followed by a NACHT domain, a NACHT-associated domain (NAD), and a C-terminal leucine-rich repeat (LRR) region. The long NALP, NALP1 (MIM 606636), also has a C-terminal extension containing a function to find domain (FIIND) and a caspase recruitment domain (CARD). NALPs are implicated in the activation of proinflammatory caspases (e.g., CASP1; MIM 147678) via their involvement in multiprotein complexes called inflammasomes (Tschopp et al., 2003 [PubMed 12563287]).[supplied by OMIM, Mar 2008].

Function:

May be involved in inflammation. Acts as a negative regulator of the type I interferon signaling pathway by serving as an adapter to promote DTX4-mediated ubiquitination of activated TBK1, and its subsequent degradation.

Similarity:

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

SWISS:

Q96MN2

Gene ID:

147945

Database links:

[Entrez Gene: 147945](#)Human

[Entrez Gene: 499069](#)Rat

[Omim: 609645](#)Human

[SwissProt: Q96MN2](#)Human

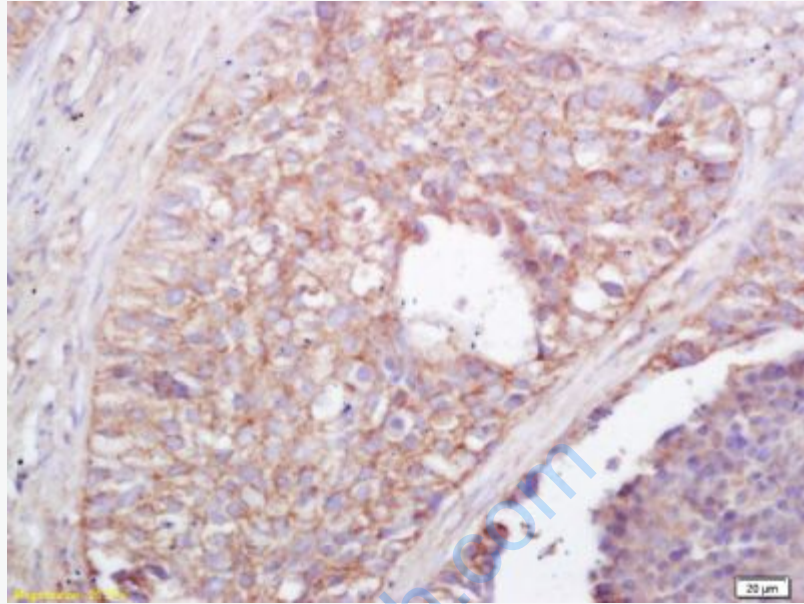
[Unigene: 631533](#)Human

[Unigene: 222403](#)Rat

Important Note:

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

Product Detail:

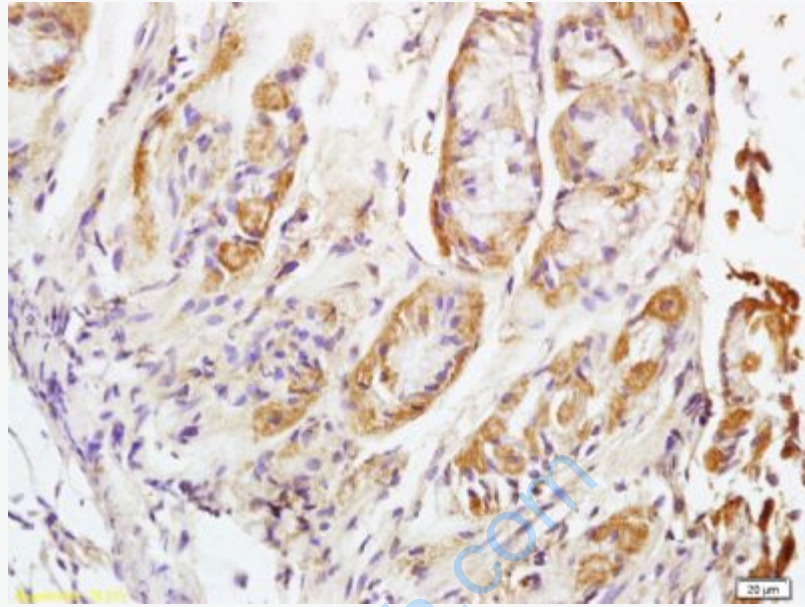


Picture:

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-NALP4 Polyclonal Antibody, Unconjugated(SL6855R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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