



Rabbit Anti-NALP6 antibody

SL10440R

Product Name:	NALP6
Chinese Name:	富含亮氨酸重复结构域蛋白6抗体
Alias:	CLR11.4; NACHT, leucine rich repeat and PYD containing 6; NACHT, LRR and PYD containing protein 6; NACHT, LRR and PYD domains-containing protein 6; NALP6_HUMAN; NLR family, pyrin domain containing 6; Nlrp6; Nucleotide binding oligomerization domain, leucine rich repeat and pyrin domain containing 6; PAN3; PYPAF5; PYRIN containing APAF1 like protein 5; PYRIN-containing APAF1-like protein 5.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	37kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NALP6:351-450/892
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:	NALPs are cytoplasmic proteins that form a subfamily within the larger CATERPILLER protein family. Most short NALPs, such as NALP6, 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 contribute to arginine-vasopressin (AVP)-mediated regulation of renal salt-water balance, glucose and lipid metabolism, apoptosis, and/or cell cycle. Isoform 1 binds arginine-vasopressin but not angiotensin II and acts as an arginine-vasopressin V2 receptor. Isoform 2 binds both arginine-vasopressin and angiotensin II and acts as an angiotensin II/vasopressin receptor. Plays a role in modulating inflammatory responses in the colon to allow recovery from intestinal epithelial damage and limit tumorigenic potential. Protects against the development of colitis by controlling the composition of the gut microbiota by preventing colonization of the colon by harmful, inflammation-inducing bacteria such as *Prevotella* species. May mediate activation of CASP1 via ASC, promote activation of NF-kappa-B and stimulate cAMP accumulation.

Subunit:

Binds to ASC with its DAPIN domain.

Subcellular Location:

Isoform 1: Cytoplasm. Cell membrane. Nucleus membrane. Isoform 2: Cytoplasm. Cell membrane. Note=Predominantly expressed in the cell membrane.

Tissue Specificity:

Highly expressed in the small and large intestine, kidney and liver.

Similarity:

Belongs to the NLRP family.
Contains 1 DAPIN domain.
Contains 3 LRR (leucine-rich) repeats.
Contains 1 NACHT domain.

SWISS:

P59044

Gene ID:

171389

Database links:

[Entrez Gene: 171389](#)Human

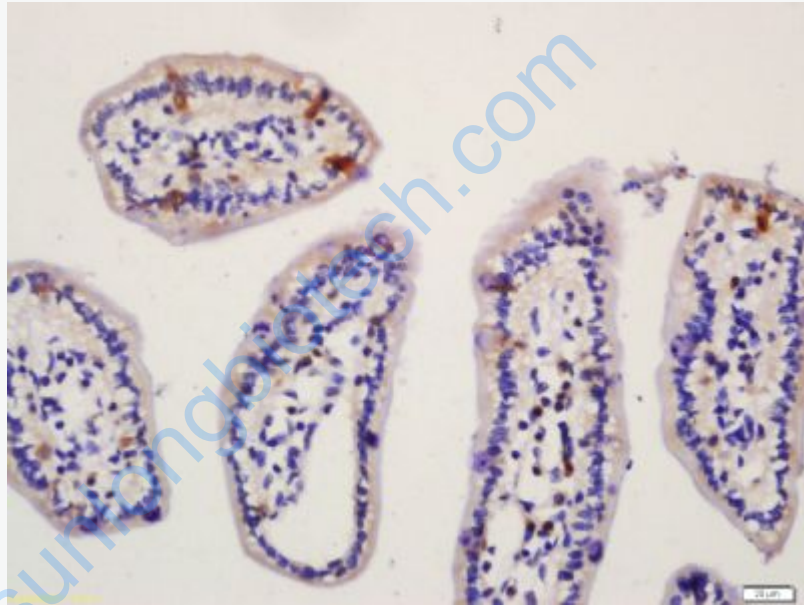
[Omic: 609650](#)Human

[SwissProt: P59044](#)Human

[Unigene: 352611](#)Human

Important Note:

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

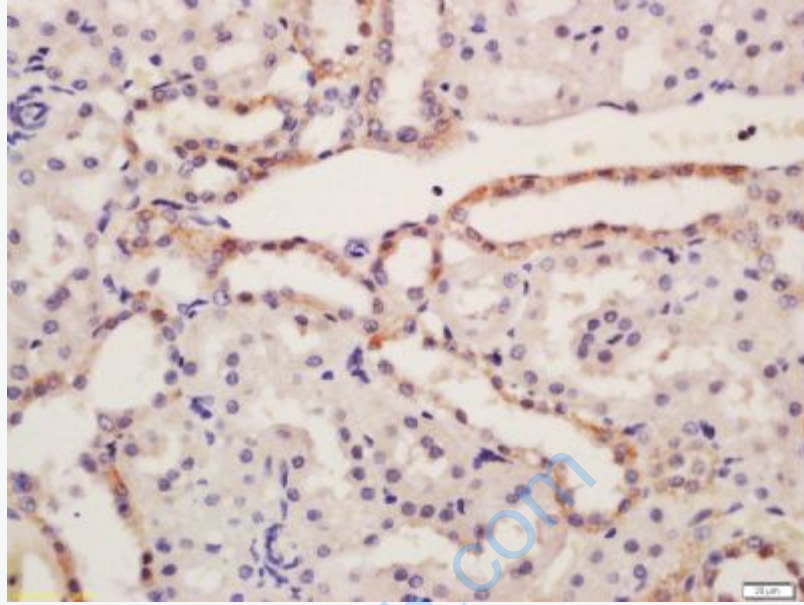


Picture:

Tissue/cell: mouse intestine 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-NALP6 Polyclonal Antibody, Unconjugated(SL10440R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
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