

Rabbit Anti-NALP4 antibody

SL25219R

Product Name	NALP4
Chinese Name	癌/睾丸抗原 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.
Research Area	Tumour Cell biology immunology Apoptosis
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	113kDa
Cellular localization	cytoplasmic Extracellular matrix Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human NALP4
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

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.

Product Detail

SWISS:

Q96MN2

Gene ID:

147945

Database links:

[Entrez Gene: 147945](#) Human

[Entrez Gene: 499069](#) Rat

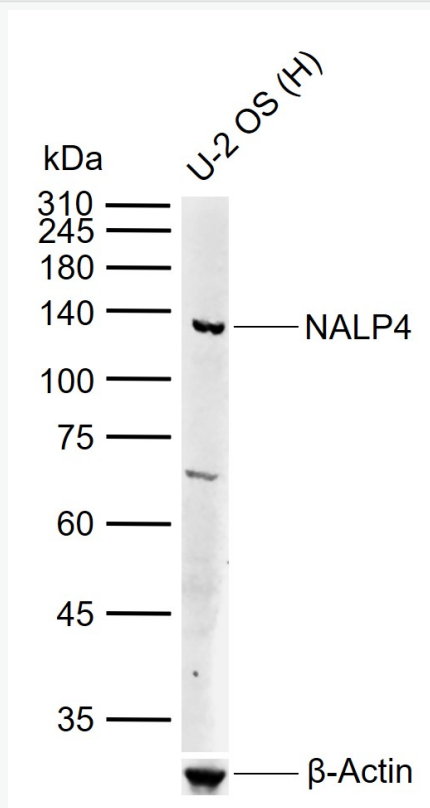
[Omid: 609645](#) Human

[SwissProt: Q96MN2](#) Human

[Unigene: 631533](#) Human

[Unigene: 222403](#) Rat

Product Picture



Sample:

Lane 1: Human U-2 OS cell lysates

Primary: Anti-NALP4 (SL25219R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 113 kDa

Observed band size: 120 kDa