



Rabbit Anti-NLRP7 antibody

SL6866R

Product Name:	NLRP7
Chinese Name:	富含亮氨酸重复结构域蛋白7抗体
Alias:	CLR19.4; FLJ94610; HYDM; NACHT, leucine rich repeat and PYD containing 7; NACHT, LRR and PYD containing protein 7; NACHT, LRR and PYD domains containing protein 7; NACHT, LRR and PYD domains-containing protein 7; NALP7; NALP7_HUMAN; NLR family, pyrin domain containing 7; NLRP7; NOD12; Nucleotide-binding oligomerization domain protein 12; Nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 7; PAN7; PYPAF3; PYRIN-containing APAF1-like protein 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
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:	108kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NLRP7:901-980/980
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:	This gene encodes a member of the NACHT, leucine rich repeat, and PYD containing

(NLRP) protein family. It has an N-terminal pyrin domain, followed by a NACHT domain, a NACHT-associated domain (NAD), and a C-terminal leucine-rich repeat (LRR) region. NLRP proteins are implicated in the activation of proinflammatory caspases through multiprotein complexes called inflammasomes. This gene may act as a feedback regulator of caspase-1-dependent interleukin 1-beta secretion. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008].

Function:

Inhibits CASP1/caspase-1-dependent IL1B secretion.

Subunit:

Directly interacts with CASP1 and IL1B.

Tissue Specificity:

Expressed in numerous tissues including uterus and ovary, with low levels in heart and brain. Not detected in skeletal muscle.

DISEASE:

Defects in NLRP7 are the cause of hydatidiform mole recurrent type 1 (HYDM1) [MIM:231090]. A disorder characterized by excessive trophoblast development and the presence of a growing mass of tissue inside the uterus at the beginning of a pregnancy. It leads to abnormal pregnancies with no embryo, and cystic degeneration of the chorionic villi.

Similarity:

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

SWISS:

Q8WX94

Gene ID:

199713

Database links:

[Entrez Gene: 199713](#)Human

[Omim: 609661](#)Human

[SwissProt: Q8WX94](#)Human

[Unigene: 351118](#)Human

Important Note:

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

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