

## Rabbit Anti-NLRP7/Biotin Conjugated antibody

SL6866R-Bio

**Product Name** Anti-NLRP7/Biotin

**Chinese Name** 生物素标记的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.

**Research Area** Cell biology immunology Apoptosis

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human

**Applications** WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:500-5000  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Molecular weight** 108kDa

**Form** Lyophilized or Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human NLRP7

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Storage Buffer** 1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is

stable for at least two weeks at 2-4 °C.

**background:**

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.

**Database links:**

[Entrez Gene: 199713](#) Human

[Omin: 609661](#) Human

[SwissProt: Q8WX94](#) Human

[Unigene: 351118](#) Human

**Product  
Detail**



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**Important Note:**

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