

NLRP7 Rabbit pAb

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Catalog # AP58535

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8WX94
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	111807
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NLRP7
Epitope Specificity	901-980/980
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	199713
Other Names	NACHT, LRR and PYD domains-containing protein 7, Nucleotide-binding oligomerization domain protein 12, PYRIN-containing APAF1-like protein 3, NLRP7, NALP7, NOD12, PYPAF3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	NLRP7 (HGNC:22947)
Function	Inhibits CASP1/caspase-1-dependent IL1B secretion.
Cellular Location	Cytoplasm, cell cortex. Note=Localized at the oocyte cortex
Tissue Location	Expressed in numerous tissues including uterus and ovary, with low levels in heart and brain. Not detected in skeletal muscle.

Background

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