

Rabbit anti-Human NALP7 Polyclonal Antibody | anti-NLRP7 antibody

NALP7 Antibody

CATALOG # AAA39840	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

NALP7; Polyclonal Antibody; NALP7 Antibody; HYDM; PAN7; NOD12; PYPAF3; CLR19.4; NACHT; LRR and PYD domains-containing protein 7; Nucleotide-binding oligomerization domain protein 12; NLR family; pyrin domain containing 7; anti-NLRP7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	NALP7 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1009
Applicable Applications for anti-NLRP7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	NALP7 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human NALP7.
Buffer	NALP7 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



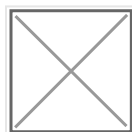
IF (Immunofluorescence)

Immunofluorescence of NALP7 in human brain tissue with NALP7 antibody at 20 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of NALP7 in human brain tissue with NALP7 antibody at 10 µg/mL.



WB (Western Blot)

Western blot analysis of NALP7 in K562 cell lysate with NALP7 antibody at 2 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NLRP7 antibody	NALP7 Antibody: NOD proteins include the apoptosis regulator APAF1 (apoptotic protease activating factor 1) and mammalian NOD-LRR proteins. NALP7, also known as PYPAF3, a member of the related PYRIN-containing APAF1-like proteins (PYPAFs/NALPs) is thought to play a crucial role in cell proliferation. NALP7 has a C-terminal leucine-rich repeat (LRR) region, an N-terminal Pyrin domain (PYD) followed by a NACHT domain, and a NACHT-associated domain. It is expressed in numerous tissues including uterus and ovary, with low levels in heart and brain. NALP7 inhibits caspase-1-dependent interleukin-1? secretion and is a feedback regulator of interleukin-1? secretion. Defects in the NALP7 gene are known to cause the formation of a hydatidiform mole (HYDM) and reduce the growth of carcinoma cell lines.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46049100
NCBI GeneID	199713
NCBI Accession #	NP_631915
NCBI GenBank Nucleotide #	NM_139176.3
UniProt Accession #	Q8WX94; Q32MH8; Q7RTR1; E9PE16
Molecular Weight	118,303 Da
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 7 isoform 1
NCBI Official Synonym Full Names	NLR family, pyrin domain containing 7
NCBI Official Symbol	NLRP7
NCBI Official Synonym Symbols	HYDM; PAN7; NALP7; NOD12; PYPAF3; CLR19.4
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 7; PYRIN-containing Apaf1-like protein 3; NACHT, LRR and PYD containing protein 7; NACHT, leucine rich repeat and PYD containing 7; nucleotide-binding oligomerization domain protein 12; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 7
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 7
UniProt Gene Name	NLRP7
UniProt Synonym Gene Names	NALP7; NOD12; PYPAF3
UniProt Entry Name	NALP7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/nalp7-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39840>