

Rabbit anti-Human NLRP6 Polyclonal Antibody | anti-NLRP6 antibody

NLRP6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234787	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

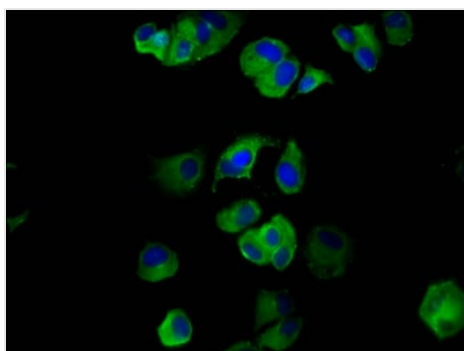
PRODUCT SYNONYMS

NLRP6; Polyclonal Antibody; NLRP6 Antibody; NACHT; LRR and PYD domains-containing protein 6; Angiotensin II/vasopressin receptor; PYRIN-containing APAF1-like protein 5; NALP6; PYPAF5; anti-NLRP6 antibody

PRODUCT SPECIFICATIONS

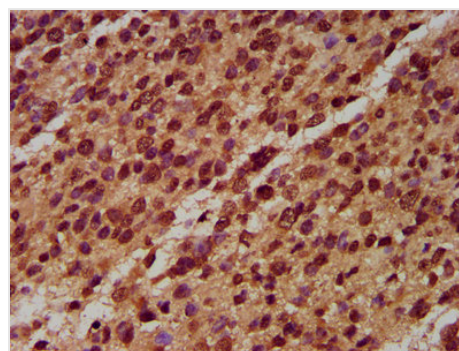
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	891
Applicable Applications for anti-NLRP6 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human NACHT, LRR and PYD domains-containing protein 6 protein (154-306AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of MCF-7 cells with AAA234787 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234787 diluted at 1:400 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-NLRP6 antibody	As the sensor component of the NLRP6 inflammasome, plays a crucial role in innate immunity and inflammation. In response to pathogens and other damage-associated signals, initiates the formation of the inflammasome polymeric complex, made of NLRP6, PYCARD and CASP1 (and possibly CASP4 and CASP5). Recruitment of proCASP1 to the inflammasome promotes its activation and CASP1-catalyzed IL1B and IL18 maturation and secretion in the extracellular milieu. The precise NLRP6 activation stimulus has not been identified yet (By similarity) (PubMed:12387869). Essential for gut mucosal self-renewal and proliferation. Maintains intestinal homeostasis and a healthy intestinal microbiota. This function is, at least partially, mediated by IL18, and not IL1B, produced by nonhematopoietic cells. Influences intestinal barrier function and microbial homeostasis through the regulation of goblet cell mucus secretion. Acts by promoting autophagy in goblet cells, an essential step for mucus granule exocytosis. Its role in goblet cell physiology is inflammasome-dependent, but IL1B- and IL18-independent. During systemic bacterial infections, may negatively regulate inflammatory signaling and inhibit the influx of monocytes and neutrophils to the circulation and to the peritoneum. May promote peripheral nerve recovery following injury via an inflammasome-independent mechanism (By similarity).
Product Categories/Family for anti-NLRP6 antibody	Cell Biology; Immunology; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	452085173
NCBI GeneID	171389
NCBI Accession #	NP_001263629.1
NCBI GenBank Nucleotide #	NM_001276700.1
UniProt Accession #	P59044; A8K9F3; E9PJZ8
Molecular Weight	98,681 Da
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 6 isoform 2
NCBI Official Synonym Full Names	NLR family pyrin domain containing 6
NCBI Official Symbol	NLRP6
NCBI Official Synonym Symbols	AVR; NAVR; PAN3; NALP6; PYPAF5; CLR11.4; NAVR/AVR
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 6
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 6
UniProt Gene Name	NLRP6
UniProt Synonym Gene Names	NALP6; PYPAF5

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://www.aaabiotech.com/polyclonal/nlrp6-antibody-immunofluorescence-immunohistochemistry-elisa/234787>