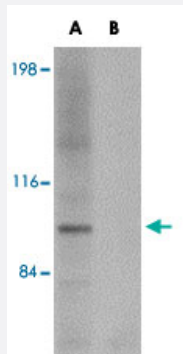


NLRP3 polyclonal antibody

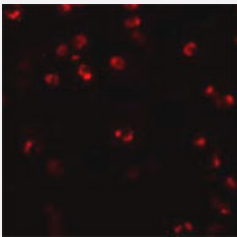
Catalog # PAB16849 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of NLRP3 in K-562 cell lysate with NLRP3 polyclonal antibody (Cat # PAB16849) at 1 ug/mL (A) in the absence and (B) in the presence of blocking peptide.



Immunofluorescence

Immunofluorescence staining of human spleen tissue with 20 ug/mL NLRP3 polyclonal antibody (Cat # PAB16849).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NLRP3.
Immunogen	A synthetic peptide corresponding to 16 amino acids near the N-terminus of human NLRP3. The immunogen is located within amino acids 120-170 of NLRP3.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid

Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide).
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of NLRP3 in K-562 cell lysate with NLRP3 polyclonal antibody (Cat # PAB16849) at 1 ug/mL (A) in the absence and (B) in the presence of blocking peptide.

- Immunofluorescence

Immunofluorescence staining of human spleen tissue with 20 ug/mL NLRP3 polyclonal antibody (Cat # PAB16849).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NLRP3

Entrez GeneID	114548
Protein Accession#	NP_899632
Gene Name	NLRP3
Gene Alias	AGTAVPRL, AII, AII/AVP, AVP, C1orf7, CIAS1, CLR1.1, FCAS, FCU, FLJ95925, MWS, NALP3, PYPAF1
Gene Description	NLR family, pyrin domain containing 3
Omim ID	120100 191900 606416 607115
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a pyrin-like protein containing a pyrin domain, a nucleotide-binding site (NBS) domain, and a leucine-rich repeat (LRR) motif. This protein interacts with the apoptosis-associated speck-like protein PYCARD/ASC, which contains a caspase recruitment domain, and is a member of the NALP3 inflammasome complex. This complex functions as an upstream activator of NF- κ B signaling, and it plays a role in the regulation of inflammation, the immune response, and apoptosis. Mutations in this gene are associated with familial cold autoinflammatory syndrome (FCAS), Muckle-Wells syndrome (MWS), chronic infantile neurological cutaneous and articular (CINCA) syndrome, and neonatal-onset multisystem inflammatory disease (NOMID). Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Alternative 5' UTR structures are suggested by available data; however, insufficient evidence is available to determine if all of the represented 5' UTR splice patterns are biologically valid. [provided by RefSeq]

Other Designations

AI/AVP receptor-like|NACHT domain-, leucine-rich repeat-, and PYD-containing protein 3|NACHT, LRR and PYD containing protein 3|OTTHUMP00000038408|OTTHUMP00000038409|OTTHUMP00000038410|PYRIN-containing APAF1-like protein 1|angiotensin/vasopressin receptor

Disease

- [Amyloidosis](#)
- [Anaphylaxis](#)
- [Arthritis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Candidiasis](#)
- [Cardiovascular Diseases](#)
- [Chlamydia Infections](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Drug Hypersensitivity](#)
- [Edema](#)
- [Fallopian Tube Diseases](#)
- [Familial Mediterranean fever](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Neoplasms](#)
- [HIV Infections](#)
- [Hypertension](#)
- [Infertility](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Mycoplasma Infections](#)
- [NARP](#)
- [Recurrence](#)
- [Syndrome](#)
- [Vulvar Vestibulitis](#)