

NLRP3 polyclonal antibody

Catalog # PAB7072

Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NLRP3.
Immunogen	A synthetic peptide corresponding to human NLRP3.
Sequence	C-DLYEKAKRDEPK
Host	Goat
Theoretical MW (kDa)	118, 106
Specificity	This antibody is expected to recognize both isoform a (NP_004886.3 and NP_001073289.1) and isoform b (NP_899632.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:64000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NLRP3

Entrez GeneID	114548
Protein Accession#	NP_004886.3;NP_899632.1
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-κB 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	AII/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

Publication Reference

- [Bacterial RNA and small antiviral compounds activate caspase-1 through cryopyrin/Nalp3.](#)

Kanneganti TD, Ozoren N, Body-Malapel M, Amer A, Park JH, Franchi L, Whitfield J, Barchet W, Colonna M, Vandenabeele P, Bertin J, Coyle A, Grant EP, Akira S, Nunez G.

Nature 2006 Mar; 440(7081):233.

Application: WB-Ce, Mouse, Mouse macrophages

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](#)