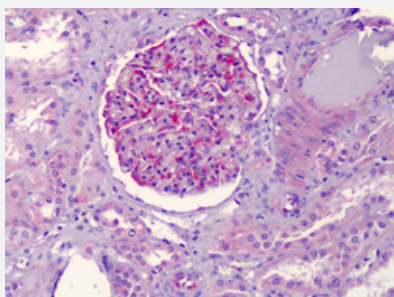


NLRP3 monoclonal antibody, clone Nalpy3-b

Catalog # MAB16140

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with NLRP3 monoclonal antibody, clone Nalpy3-b (Cat # MAB16140).

Specification

Product Description Mouse monoclonal antibody raised against recombinant human NLRP3.

Immunogen Recombinant protein corresponding to human NLRP3.

Host Mouse

Reactivity Human

Form Liquid

Purification Purified

Isotype IgG1

Recommend Usage
 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL)
 Immunohistochemistry (Frozen sections)
 Immunoprecipitation (1:50)
 Western Blot (1:1000)
 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 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
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with NLRP3 monoclonal antibody, clone Nalpy3-b (Cat # MAB16140).

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation

Gene Info — NLRP3

Entrez GeneID [114548](#)

Protein Accession# [Q96P20](#)

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

All/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](#)