Rabbit anti-Mouse NLRP3 Monoclonal Antibody | anti-Nlrp3 antibody

NLRP3 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283049	**Rabbit**	**Mouse**	**ELISA, Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

NLRP3; Monoclonal Antibody; NLRP3 Rabbit mAb; FCU; MWS; FCAS; Cias1; Mmig1; NALP3; Pypaf1; AII/AVP; AGTAVPRL; anti-Nlrp3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MTSVRCKLAQ YLEDLEDVDL KKFKMHLEDY PPEKGCIPVP RGQMEKADHL DLATLMIDFN GEEKAWAMAV WIFAAINRRD LWEKAKKDQP EWNDTCTSHS SMVCQEDSLE EEWMGLLGYL SRISICKKKK DYCKMYRRHV RSRFYSIKDR
Applicable Applications for anti-Nlrp3 antibody	ELISA, IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of mouse NLRP3(NP_665826.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES

IP (Immunoprecipitation)
Immunoprecipitation of NLRP3 from 300 ug extracts of RAW 264.7 cells treated by LPS (1 ug/ml, 8h) was performed using 3 ug of NLRP3 Rabbit mAb (AAA283049). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using NLRP3 Rabbit mAb (AAA283049) at a dilution of 1:2000.

ICC (Immunocytochemistry)
Confocal imaging of RAW 264.7 cells (treated with LPS) and RAW 264.7 cells (untreated) using NLRP3 Rabbit mAb (AAA283049, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

WB (Western Blot)
Western blot analysis of lysates from RAW 264.7 cells, using NLRP3 Rabbit mAb (AAA283049) at 1:1000 dilution. Raw264. 7 cells were treated by LPS (1 ug/ml) at 37? for 8 hours.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-Nlrp3 antibody	Enables DNA-binding transcription factor binding activity and sequence-specific DNA binding activity. Involved in several processes, including positive regulation of T-helper cell differentiation; positive regulation of cytokine production; and response to bacterium. Acts upstream of or within several processes, including NLRP3 inflammasome complex assembly; activation of cysteine-type endopeptidase activity involved in apoptotic process; and defense response to virus. Located in cytoplasm and nucleus. Part of NLRP3 inflammasome complex. Is expressed in central nervous system and retina. Used to study CINCA Syndrome; familial cold autoinflammatory syndrome 1; and non-alcoholic fatty liver disease. Human ortholog(s) of this gene implicated in CINCA Syndrome; Muckle-Wells syndrome; autosomal dominant nonsyndromic deafness 34; familial cold autoinflammatory syndrome 1; and urticaria. Orthologous to human NLRP3 (NLR family pyrin domain containing 3).
Product Categories/Family for anti-Nlrp3 antibody	Cancer; Signal Transduction; Cell Biology & Developmental Biology; Apoptosis; Growth factor; TNF; Immunology & Inflammation; Cell Intrinsic Innate Immunity Signaling Pathway; Cardiovascular; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	29427844
NCBI GeneID	216799
UniProt Accession #	Q8R4B8; Q1JQ87; Q1JQ88; Q6JEL0
Molecular Weight	Calculated MW: 118kDa Observed MW: 110kDa//110KD
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 3
UniProt Gene Name	**Nlrp3**
UniProt Synonym Gene Names	Cias1; Mmig1; Nalp3; Pypaf1
UniProt Entry Name	NALP3_MOUSE

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/nlrp3-antibody-immunoprecipitation-immunocytochemistry-immunofluorescence-western-blot-elisa/283049