

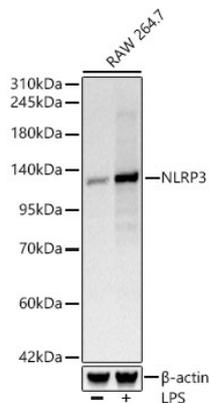


Product name:	NLRP3 Rabbit Monoclonal Antibody
Cat number:	MAB24294
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC62768
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant protein. This information is considered to be commercially sensitive.
Reactivity:	Mouse
Applications:	WB 1:1000 - 1:6000 IF/ICC 1:100 - 1:500 IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	118kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Synonyms:	FCU; MWS; FCAS; Cias1; Mmig1; NALP3; Pypaf1; Ail/AVP; AGTAVPRL; NLRP3
Background:	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).

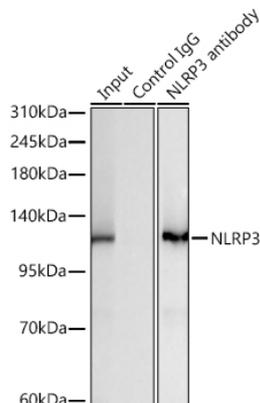
For Research Use Only

IMMUNOLOGICAL SCIENCES

Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



Western blot analysis of lysates from RAW 264.7 cells, using NLRP3 Rabbit mAb at 1:1000 dilution. Raw264.7 cells were treated with LPS (1 μ g/ml) at 37°C for 8 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 10s.



Immunoprecipitation of NLRP3 from 300 μ g extracts of RAW 264.7 cells treated with LPS (1 μ g/ml, 8h) was performed using 3 μ g of NLRP3 Rabbit mAb. Rabbit IgG isotype control 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 at a dilution of 1:2000.

For Research Use Only

IMMUNOLOGICAL SCIENCES