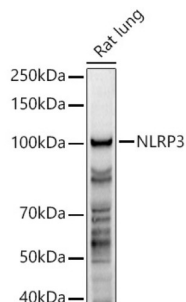
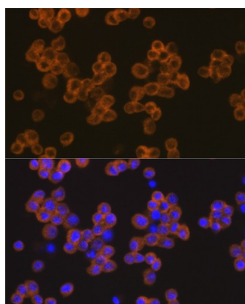


NACHT, LRR And PYD Domains-Containing Protein 3 (NLRP3) Antibody

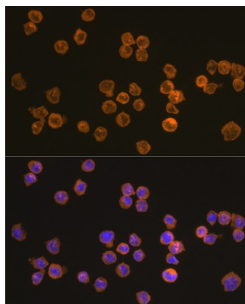
Catalogue No.: abx004322



Western blot analysis of extracts of Rat lung using NLRP3 Antibody (1/1000 dilution).



Immunofluorescence analysis of Raw264.7 cells using NLRP3 Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using NLRP3 Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

NLRP3 Antibody is a Rabbit Polyclonal antibody against NLRP3. 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-kappaB 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.

Target: NACHT, LRR And PYD Domains-Containing Protein 3 (NLRP3)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Datasheet

Version: 4.0.0
Revision date: 19 Oct 2025



Tested Applications:	WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/200 - 1/1000, IF/ICC: 1/20 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human NLRP3
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q96P20 (UniProt , ExPASy)
Gene Symbol:	NLRP3
GeneID:	114548
NCBI Accession:	NP_004886.3
KEGG:	hsa:114548
String:	9606.ENSP00000337383
Molecular Weight:	Calculated MW: 83 kDa/105 kDa/111 kDa/112 kDa/115 kDa/118 kDa Observed MW: 110 kDa
Buffer:	PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.