

## NLRP3 Rabbit Polyclonal Antibody

Catalog No: #53823

Package Size: #53823-1 50ul #53823-2 100ul

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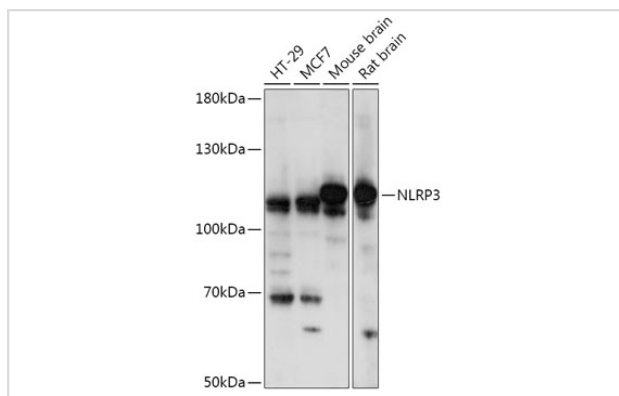
## Description

Product Name	NLRP3 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human NLRP3
Other Names	NLRP3;AGTAVPRL;All;AVP;C1orf7;CIAS1;CLR1.1;FCAS;FCAS1;FCU;MWS;NALP3;PYPAF1
Accession No.	Swiss Prot:Q96P20GeneID:114548
Calculated MW	83kDa/105kDa/111kDa/112kDa/115kDa/118kDa
SDS-PAGE MW	118KDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

## Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

## Images



Western blot analysis of extracts of various cell lines, using NLRP3 at 1:1000 dilution.

## Background

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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.