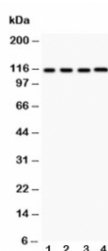


## NALP3 Antibody (NLRP3) (R31539)

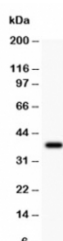
Catalog No.	Formulation	Size
R31539	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	114548
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This NALP3 antibody is available for research use only.



Western blot testing of NALP3 antibody and lysates from the human tumor cell lines 1: HeLa; 2: MCF-7; 3: Jurkat; 4: HEPG2. Predicted molecular weight ~118 kDa.



Western blot testing of NALP3 antibody and recombinant human protein (0.5ng)

## Description

NLR Family, Pyrin domain containing 3, also known as CIAS1, CRYOPYRIN, NALP3 or PYPAF1, is a protein that in humans is encoded by the NLRP3 gene. It is mapped to 1q44. The encoded protein may play a role in the regulation of inflammation and apoptosis. Consistent with an essential role for NALP3 inflammasomes in antifungal immunity, it has been showed that deficient mice are hypersusceptible to *C. albicans* infection. Activation of the NLRP3 inflammasome in response to virus or to RNA was dependent upon lysosomal maturation and reactive oxygen species production in human cells. The inflammasome senses obesity-associated danger signals and contributes to obesity-induced inflammation and insulin resistance.

## Application Notes

Titration of the NALP3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (21-194) was used as the immunogen for this NLRP3 / NALP3 antibody.

## Storage

After reconstitution, the NALP3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.