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anti-NLRP3 antibody (AA 21-194)

Images



Overview

Background:

Quantity:	100 μg
Target:	NLRP3
Binding Specificity:	AA 21-194
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLRP3 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Human partial recombinant protein (21-194) was used as the immunogen for this NLRP3 / NALP3 antibody.
Isotype:	lg Fraction
Purification:	Antigen affinity
Target Details	
Target:	NLRP3
Alternative Name:	NALP3 (NLRP3) (NLRP3 Products)

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

Target Details

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.

Gene ID:

114548

Pathways:

Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Endopeptidase Activity, Inflammasome

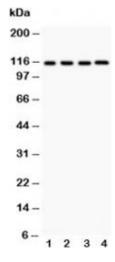
Application Details

Application Notes:	Titration of the NALP3 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 0.5-1 μg/mL
Restrictions:	For Research Use only

Handling

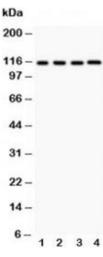
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the NALP3 antibody can be stored for up to one month at 4°C. For long-
	term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



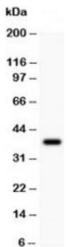
Western Blotting

Image 1. Western blot testing of NALP3 antibody and Lane 1: HeLa



Western Blotting

Image 2. Western blot testing of NALP3 antibody and Lane1: HeLa; 2: MCF-7; 3: Jurkat; 4: HEPG2



Western Blotting

Image 3. Western blot testing of NALP3 antibody and recombinant human protein (0.5ng)