

Datasheet for ABIN6991401
anti-NLRP4 antibody (AA 330-380)



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Overview

Quantity:	0.1 mg
Target:	NLRP4
Binding Specificity:	AA 330-380
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLRP4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	NALP4 antibody was raised against a 13 amino acid synthetic peptide near the center of human NALP4. The immunogen is located within amino acids 330 - 380 of NALP4.
Isotype:	IgG
Purification:	NALP4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	NLRP4
Alternative Name:	NALP4 (NLRP4 Products)
Background:	NALP4 Antibody: NALP proteins include the apoptosis regulator APAF1 (apoptotic protease activating factor 1) and mammalian NOD-LRR proteins and are thought to be involved in inflammation and reproduction. NALP4, also known as PYRIN-containing APAF1-like protein 4,

Target Details

has a C-terminal leucine-rich repeat (LRR) region, an N-terminal Pyrin domain (PYD) followed by a NACHT domain, and a NACHT-associated domain. In transfected 293 cells, NALP4 suppressed NF- κ B induction by TNF- α , and IL-1 β , suggesting NALP4 operates at a point of convergence in these two signaling pathways. NALP4 also suppressed NF- κ B induction resulting from overexpression of several adapter proteins and protein kinases involved in these pathways, including TRAF2, TRAF6, RIP, and IRAK2, as well as the IKK-alpha and IKK-beta, suggesting that NALP4 is critical in modulating NF- κ B activity.

Gene ID: 147945

UniProt: [Q96MN2](#)

Pathways: [Inflammasome](#)

Application Details

Application Notes: NALP4 antibody can be used for detection of NALP4 by Western blot at 1 μ g/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: NALP4 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: NALP4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.