

**bs-10021R****[ Primary Antibody ]****NALP3/CIAS1 Rabbit pAb****Bioss**  
**ANTIBODIES**

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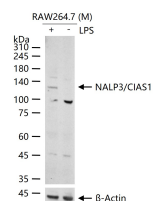
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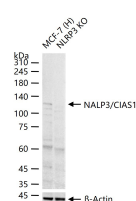
400-901-9800

**DATASHEET**

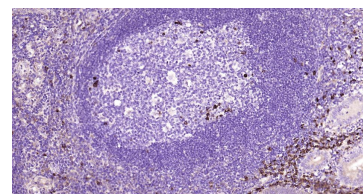
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human, Mouse, Rat
<b>GeneID:</b> 114548	<b>SWISS:</b> Q96P20	
<b>Target:</b> NALP3/CIAS1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Cryopyrin: 15-120/1036.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 114 kDa
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		<b>Subcellular Location:</b> Cytoplasm
<b>Background:</b> May function as an inducer of apoptosis. Interacts selectively with ASC and this complex may function as an upstream activator of NF-kappa-B signaling. Inhibits TNF-alpha induced activation and nuclear translocation of RELA/NF-KB p65. Also inhibits transcriptional activity of RELA. Activates caspase-1 in response to a number of triggers including bacterial or viral infection which leads to processing and release of IL1B and IL18. Subcellular Location : Cytoplasm.		

**VALIDATION IMAGES**

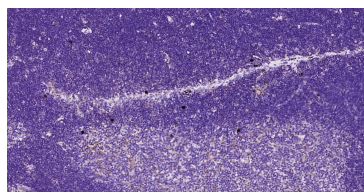
RAW264.7 (M) cells were treated with or without LPS (10 µg/ml) for 8h, 25 µg total protein per lane of cell lysates (see on figure) probed with NALP3/CIAS1 polyclonal antibody, unconjugated (bs-10021R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



25 µg total protein per lane of various lysates (see on figure) probed with NALP3/CIAS1 polyclonal antibody, unconjugated (bs-10021R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Purulent appendicitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NALP3/CIAS1 Polyclonal Antibody, Unconjugated (bs-10021R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Thymus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NALP3/CIAS1 Polyclonal Antibody, Unconjugated (bs-10021R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

## — SELECTED CITATIONS —

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- **[IF=27.4]** Xin-yu Zhao. et al. SGLT2 inhibitors alleviated podocyte damage in lupus nephritis by decreasing inflammation and enhancing autophagy. ANN RHEUM DIS. 2023 Jul;; IHC ;Mouse. 37487609
- **[IF=24.1]** Luo Fan. et al. The BCL-2 inhibitor APG-2575 resets tumor-associated macrophages toward the M1 phenotype, promoting a favorable response to anti-PD-1 therapy via NLRP3 activation. CELL MOL IMMUNOL. 2023 Dec;;1-20 IF ;Human,Mouse. 38062129
- **[IF=15.1]** Fan Yang. et al. Anti-inflammasome bio-heterojunction (AI-bioHJ): Revolutionizing diabetic wound healing with in situ self-transformation and programmed gas therapy. CHEM ENG J. 2024 Feb;482:149014 WB,IHC ;Rat. 10.1016/j.cej.2024.149014
- **[IF=13.6]** Xue Rui. et al. Long Non-coding RNA Neat1, NLRP3 Inflammasome, and Acute Kidney Injury. J AM SOC NEPHROL. 2024 Apr;;10.1681/ASN.0000000000000362 WB ;Mouse. 38687867
- **[IF=10.383]** Zhen Xu. et al. Green Biosynthesis of Silver Nanoparticles Using Aqueous Extracts of Ageratum Conyzoides and Their Anti-Inflammatory Effects. ACS APPL MATER INTER. 2023;XXXX(XXX):XXX-XXX WB ;Mouse,Human. 36881383