

bs-41293R**[Primary Antibody]****NLRP3 Rabbit pAb****BioSS**
ANTIBODIES

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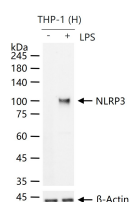
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 114548 Target: NLRP3 Immunogen: Recombinant human NLRP3: 937-1036/1036. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 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. Background: 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.	Isotype: IgG SWISS: Q96P20	Applications: WB (1:500-2000) Reactivity: Human Predicted MW.: 114 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

THP-1 (H) cells were treated with or without LPS (10 µg/ml) for 8 h, 25 µg total protein per lane of cell lysates (see on figure) probed with NLRP3 polyclonal antibody, unconjugated (bs-41293R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=17.694]** Mahalingam, S. S.. et al. Polyamine metabolism impacts T cell dysfunction in the oral mucosa of people living with HIV. NAT COMMUN. 2023 Jan;14(1):1-15 FCM ;Human. 36693889
- **[IF=12.4]** Bin Li. et al. Inhibition of macrophage inflammasome assembly and pyroptosis with GC-1 ameliorates acute lung injury. theranostics. 2025 Jan 20;15(6):2360-2374. IF ;Mouse. 39990234
- **[IF=11.4]** Ji-Soo Jeong. et al. The absence of thioredoxin-interacting protein in alveolar cells exacerbates asthma during obesity. REDOX BIOL. 2024 Jul;73:103193 WB ;Human. 38781728
- **[IF=8.025]** Lihui Ni. et al. The combination of insulin and linezolid ameliorates Staphylococcus aureus pneumonia in individuals with diabetes via the TLR2/MAPKs/NLRP3 pathway. INT J BIOL MACROMOL. 2023 Jul;242:124750 WB ;Mouse. 37160172
- **[IF=7.2]** Jianying Song. et al. Sanguisorba officinalis L. promotes diabetic wound healing in rats through inflammation

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

response mediated by macrophage. PHYTOTHER RES. 2023 Jun;; WB ;Mouse. 37260161