

bs-23723R**[Primary Antibody]****NALP3/CIAS1 Rabbit pAb**

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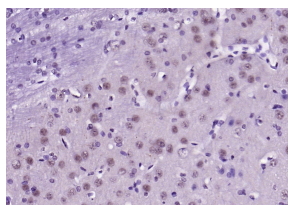
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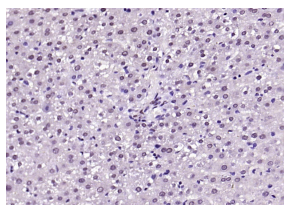
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 114548 Target: NALP3/CIAS1 Immunogen: KLH conjugated synthetic peptide derived from human NALP3/CIAS1: 501-600/1036. 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: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat, Rabbit (predicted: Pig, Sheep, Dog, Horse) Predicted MW.: 114 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Rabbit brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NALP3) Polyclonal Antibody, Unconjugated (bs-23723R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NALP3/CIAS1) Polyclonal Antibody, Unconjugated (bs-23723R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.1]** Lu Chenxi. et al. PIK3CG Regulates NLRP3/GSDMD-Mediated Pyroptosis in Septic Myocardial Injury. INFLAMMATION. 2023 Sep;;1-17 IHC ;Mouse. 37676465
- **[IF=4.8]** Zhili Ding. et al. Allogeneic platelet lysate activates the SIRT1-PINK1/Parkin pathway: A promising approach for improving mitochondrial function in an in vitro model of intervertebral disc degeneration. INT IMMUNOPHARMACOL. 2025 Jan;144:113700 WB ;Rabbit. 39626535
- **[IF=3.188]** Bian X et al. Periostin contributes to renal and cardiac dysfunction in rats with chronic kidney disease: reduction of PPARα. Biochimie. 2019 May;160:172-182. WB ;Rat. 30890453

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

- **[IF=2.7]** Wenyue Qiu. et al. Tert-butylhydroquinone attenuates LPS-induced pyroptosis of IPEC-J2 cells via downregulating HMGB1/TLR4/NF-κB axis. J ANIM PHYSIOL AN N. 2023 Sep;; WB ;Porcine. 37675629
- **[IF=2.7]** Mei Zhang. et al. Intestinal Bacterial Dysbiosis and Liver Fibrosis in Mice Through Gut-Liver Axis and NLRP3 Inflammatory Pathway Caused by Fine Particulate Matter. JOURNAL OF APPLIED TOXICOLOGY. 2025 Feb 20. Western Blot ;Mouse. 39979029