bs-10440R **[Primary Antibody]**

NALP6 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 171389 **SWISS:** P59044

Target: NALP6

Immunogen: KLH conjugated synthetic peptide derived from human NALP6: 351-450/892.

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: NALPs are cytoplasmic proteins that form a subfamily within the larger CATERPILLER protein family. Most short NALPs, such as NALP6, have an N-terminal pyrin (MEFV; MIM 608107) domain (PYD), followed by a NACHT domain, a NACHT-associated domain (NAD), and a C-terminal leucine-rich repeat (LRR) region. The long NALP, NALP1 (MIM 606636), also has a C-terminal extension containing a function to find domain (FIIND) and a caspase recruitment domain (CARD). NALPs are implicated in the activation of proinflammatory caspases (e.g., CASP1; MIM 147678) via their involvement in multiprotein complexes called inflammasomes (Tschopp et al., 2003 [PubMed 12563287]).[supplied by OMIM, Mar 2008]

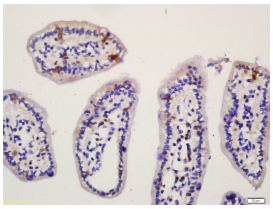
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse, Rat
(predicted: Human)

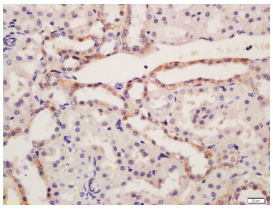
Predicted MW.: 98 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-NALP6 Polyclonal Antibody, Unconjugated(bs-10440R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-NALP6 Polyclonal Antibody, Unconjugated(bs-10440R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=7.419]** Cai-Mei Zheng. et al. Matrix metalloproteinase-7 promotes chronic kidney disease progression via the induction of inflammasomes and the suppression of autophagy. BIOMED PHARMACOTHER. 2022 Oct;154:113565 IHC ;Mouse. 36007272
- **[IF=5.5]** Xiaohuan Huang. et al. BRCC3 mediates inflammation and pyroptosis in cerebral ischemia/reperfusion injury by

activating the NLRP6 inflammasome. CNS NEUROSCI THER. 2024 Mar;30(3):e14697 IF ;Mouse. 38544474

- **[IF=4.527]** Gao M et al. Is NLRP3 or NLRP6 inflammasome activation associated with inflammation-related lung tumorigenesis induced by benzo (a) pyrene and lipopolysaccharide? Ecotoxicol Environ Saf. 2019 Sep 24;185:109687. IHC,IF ;Mouse. 31561077
- **[IF=3.829]** Wu Xingping. et al. The important role of NLRP6 inflammasome in Pasteurella multocida infection. VET RES. 2022 Dec;53(1):1-12 IF ;Mouse. 36224650
- **[IF=3.361]** Zhang J et al. NLRP6 expressed in astrocytes aggravates neurons injury after OGD/R through activating the inflammasome and inducing pyroptosis. Int Immunopharmacol. 2020 Mar;80:106183. CoIP ;Rat. 31927506