

**bs-6864R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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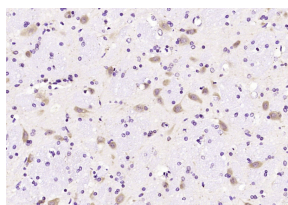
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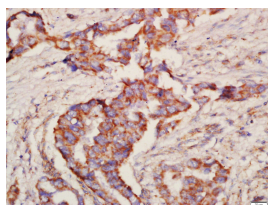
400-901-9800

**NALP12 Rabbit pAb****— DATASHEET —**

|   |                      |  |
|---|----------------------|--|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>IHC-P</b> (1:100-500)<br><b>IHC-F</b> (1:100-500)<br><b>IF</b> (1:100-500) |
| <b>Clonality:</b> Polyclonal  |                      |  |
| <b>GeneID:</b> 91662  | <b>SWISS:</b> P59046 |  |
| <b>Target:</b> NALP12   |                      | <b>Reactivity:</b> Human, Rat<br>(predicted: Mouse, Rabbit,<br>Pig, Sheep, Cow, Dog,<br>Horse)     |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human NALP12:<br>176-270/1061.  |                      | <b>Predicted<br/>MW.:</b> 117 kDa  |
| <b>Purification:</b> affinity purified by Protein A   |                      | <b>Subcellular<br/>Location:</b> Cytoplasm   |
| <b>Concentration:</b> 1mg/ml  |                      |  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                      |  |
| <b>Background:</b> May mediate activation of CASP1 via ASC and promote activation of NF-kappa-B via IKK. NALP proteins are cytoplasmic proteins that form a subfamily within the larger CATERPILLER family and are thought to play a crucial role in cell proliferation and reproduction. Like all other NALP family members, NALP12, also known as Monarch-1, 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. NALP12 is thought to act as an attenuating factor of inflammation by suppressing inflammatory responses such as NF-kB activation by TLR-signaling molecules MyD88, IRAK-1, TRAF6 and RIPK1 in activated monocytes. Recent evidence suggests that mutations in NALP12 result in hereditary periodic fever syndromes. |                      |  |

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat 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 (NALP12) Polyclonal Antibody, Unconjugated (bs-6864R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human lung carcinoma; 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-NALP12 Polyclonal Antibody, Unconjugated(bs-6864R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=6.8]** Mengyuan Li. et al. NLRP12 attenuates ozone-induced pulmonary inflammation by regulating canonical NF-κB Pathway. ECOTOX ENVIRON SAFE. 2023 Sep;262:115275 IHC ;Mouse. 37531929
- **[IF=5.714]** Xue-ni Niu. et al. 7-O-(2- (Propylamino)-2-oxoethyl) hesperetin attenuates inflammation and protects against alcoholic liver injury by NLRP12. INT IMMUNOPHARMACOL. 2022 Sep;110:109006 IF, WB ;Mouse. 35792270

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