bs-23640R **[Primary Antibody]**

TLR9 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 54106 **SWISS:** Q9NR96

Target: TLR9

Immunogen: KLH conjugated synthetic peptide derived from human TLR9: 401-500/1032.

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: The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is preferentially expressed in immune cell rich tissues, such as spleen, lymph node, bone marrow and peripheral blood leukocytes. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response. [provided by RefSeq, Jul 2008]

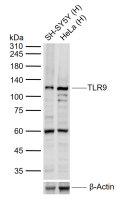
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse

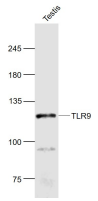
Predicted MW.: 113 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Human SH-SY5Y cell lysates Lane 2: Human HeLa cell lysates Primary: Anti-TLR9 (bs-23640R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kDa Observed band size: 120 kDa



Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti- TLR9 (bs-23640R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kD Observed band size: 120 kD

SELECTED CITATIONS

- **[IF=27.4]** Xu Cheng. et al. Nanomaterial-Mediated Reprogramming of Macrophages to Inhibit Refractory Muscle Fibrosis. ADV MATER. 2024 Nov;:2410368 IF,IHC ;Mouse,Human. 39548911
- **[IF=18.5]** Xiao Chen. et al. Controlling Alveolar Bone Loss by Hydrogel-Based Mitigation of Oral Dysbiosis and Bacteria-Triggered Proinflammatory Immune Response. ADV FUNCT MATER. 2024 Aug;:2409121 IF ;Mouse. 10.1002/adfm.202409121
- **[IF=4.161]** Yang Jun-Pu. et al. Glycyrrhizin ameliorates impaired glucose metabolism and ovarian dysfunction in a polycystic ovary syndrome mouse model. BIOL REPROD. 2023 Apr;: IHC,WB ;Mouse,Human. 37115805