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## TLR2 Rabbit pAb

Catalog Number: bs-1019R

Target Protein: TLR2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:50-200), IHC-F (1:50-200), IF (1:50-200)

Reactivity: Human, Mouse, Rat

Predicted MW: 84 kDa

Detected MW: 89 kDa

Entrez Gene: 7097

Swiss Prot: O60603

Source: KLH conjugated synthetic peptide derived from human TLR2: 701-784/784.

Purification: affinity purified by Protein A

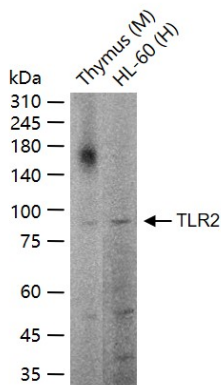
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

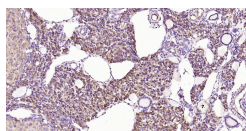
**Background:** The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize 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 expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB. [provided by RefSeq, Jul 2008].

### VALIDATION IMAGES

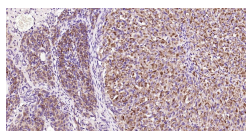
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25 ug total protein per lane of various lysates (see on figure) probed with TLR2 polyclonal antibody, unconjugated (bs-1019R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Rat Ovary; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TLR2 Polyclonal Antibody, Unconjugated (bs-1019R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Ovary; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TLR2 Polyclonal Antibody, Unconjugated (bs-1019R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=14.919] Zhang, Peitao. et al. Targeting myeloid derived suppressor cells reverts immune suppression and sensitizes BRAF-mutant papillary thyroid cancer to MAPK inhibitors. Nat Commun. 2022 Mar;13(1):1-18 WB ; Human . 35332119

[IF=9.038] Xuting Liu. et al. Amorphous silica nanoparticles induce inflammation via activation of NLRP3 inflammasome and HMGB1/TLR4/MYD88/NF-kb signaling pathway in HUVEC cells. J Hazard Mater. 2021 Feb;404:124050 WB,IP ; Human . 33053467

[IF=7.7] Qiping Zhan. et al. Effects of polysaccharide fractions isolated from the pulp of rose laevigata Michx fruit on the foaming and polarization of RAW264.7 macrophage cells. INT J BIOL MACROMOL. 2025 Feb;291:139074 ; Mouse . 39716704

[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] Yu Fei. et al. Generation of a new therapeutic d-peptide that induces the differentiation of acute myeloid leukemia cells through A TLR-2 signaling pathway. CELL DEATH DISCOV. 2024 Jan;10(1):1-14 CoIP ; Human . 38272890