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Anti-Toll-like receptor 2 TLR2 Antibody

Catalog Number: A00131-1

About TLR2

Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. These proteins act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors such as Protein Kinase C (PKC) alpha/beta and NF-kappaB. TLR2 can form heterodimers with either TLR1 or TLR6, and as a heterodimer can recognize a variety of bacterial and mycoplasma lipoproteins respectively.

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Overview

Product Name	Anti-Toll-like receptor 2 TLR2 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Toll-like receptor 2 TLR2 Antibody (Catalog # A00131-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TLR2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TLR2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O60603

Technical Details

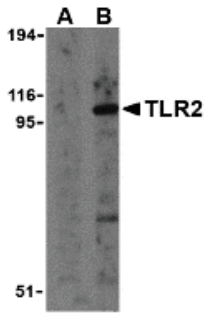
Immunogen	TLR2 antibody was raised against a peptide corresponding to 14 amino acids near the amino terminus of human TLR2. The immunogen is located within the first 50 amino acids of TLR2.
Predicted Reactive Species	Guinea Pig, Mouse
Isotype	IgG

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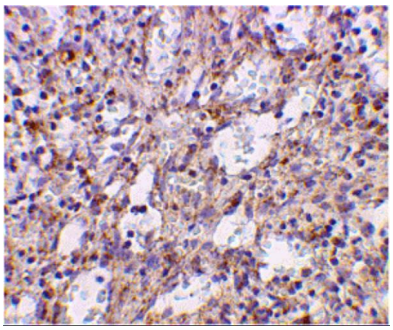
Form	Liquid
Concentration	1 mg/mL
Purification	TLR2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TLR2 antibody can be used for detection of TLR2 by Western blot at 1 ug/mL. Despite its predicted molecular weight, TLR2 runs at ~100 kDa in SDS-PAGE. This polyclonal antibody can also detect TLR2 by immunohistochemistry at 2 ug/mL. For immunofluorescence start at 10 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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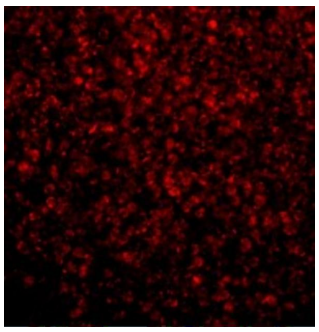
Anti-Toll-like receptor 2 TLR2 Antibody (A00131-1) Images



Western blot analysis of TLR2 in A20 cell lysates with TLR2 antibody at 1 ug/mL in the presence (A) and absence (B) of its blocking peptide.



Immunohistochemical staining of human spleen cells using TLR2 antibody at 2 ug/mL.



Immunofluorescence of TLR2 in Human Spleen tissue with TLR2 antibody at 10 ug/mL.

1 Publications Citing This Product

1. PubMed ID: 32801828, Feng S,Ju L,Shao Z,Grzanna M,Jia L,Liu M.Therapeutic Effect of C-C Chemokine Receptor Type 1 (CCR1) Antagonist BX471 on Allergic Rhinitis.J Inflamm Res.2020 Jul 21;13:343-356.doi:10.2147/JIR.S254717.PMID: 32801828;PMCID:PMC7398876.

Visit bosterbio.com/anti-toll-like-receptor-2-tlr2-antibody-a00131-1-boster.html to see all 1 publications.

Anti-Toll-like receptor 2 TLR2 Antibody

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