

Anti-Toll-like receptor 5 TLR5 Antibody

Catalog Number: A00462

About TLR5

Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in *Drosophila*. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors so the organism can respond to potential infection. TLR5 recognizes flagellin from both Gram-positive and Gram-negative bacteria and will cause the activation of NF-kappaB, leading to the activation of TNF-alpha and other cytokines. A common TLR5 stop codon polymorphism that disrupts TLR5 signaling is associated with susceptibility to Legionnaires' disease and demonstrates the importance of TLR5 in the innate immune response.

Overview

Product Name	Anti-Toll-like receptor 5 TLR5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Toll-like receptor 5 TLR5 Antibody (Catalog # A00462). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	TLR5 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TLR5 antibody can be stored at 4°C for three months and -20°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	O60602

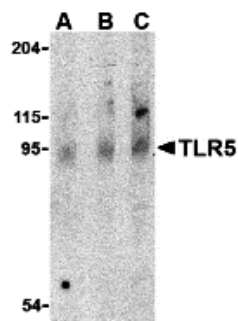
Technical Details

Immunogen	TLR5 antibody was raised against a peptide corresponding to 16 amino acids near the center of human TLR5. The immunogen is located within amino acids 450 - 500 of TLR5.
Predicted Reactive Species	Bovine, Pig
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TLR5 Antibody is affinity chromatography purified via peptide column.

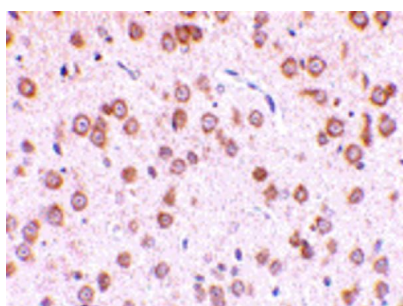
Suggested Dilutions

TLR5 antibody can be used for detection of TLR5 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL.
Antibody validated: Western Blot in rat samples and Immunohistochemistry in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Toll-like receptor 5 TLR5 Antibody (A00462) Images



Western blot analysis of TLR5 in rat brain cell lysate with TLR5 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunohistochemistry of TLR5 in rat brain tissue with TLR5 antibody at 10 ug/mL.

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