

Anti-Toll-like receptor 9 TLR9 Antibody

Catalog Number: A00198-1

About TLR9

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. TLR9 forms a subfamily along with TLR7 and TLR8 that recognize viral RNA and CpG DNA sequences and are localized in intracellular acidic compartments such as the phagolysosome. Unlike other TLRs which act through adaptor molecules such as TOLLIP, TIRAP, TRIF, and MyD88 to activate various kinases and transcription factors to respond to potential infection, TLR9 is strictly dependent on MyD88.

Overview

Product Name	Anti-Toll-like receptor 9 TLR9 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Toll-like receptor 9 TLR9 Antibody (Catalog # A00198-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TLR9 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TLR9 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	Q9NR96

Technical Details

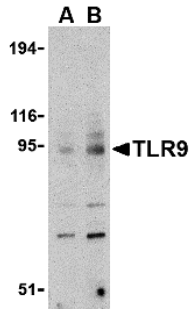
Immunogen	TLR9 antibody was raised against a peptide corresponding to 16 amino acids near the carboxy terminus of human TLR9. The immunogen is located within amino acids 960 - 1010 of TLR9.
Predicted Reactive Species	Bovine, Pig, Sheep
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TLR9 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

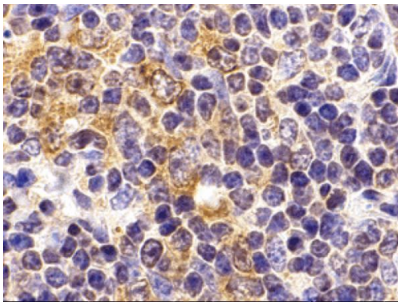
TLR9 antibody can be used for detection of TLR9 by Western blot at 0.5 to 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 10 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

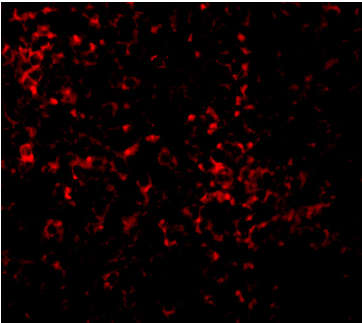
Anti-Toll-like receptor 9 TLR9 Antibody (A00198-1) Images



Western blot analysis of TLR9 in mouse spleen cell lysate with TLR9 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of TLR9 in mouse spleen cells with TLR9 antibody at 2 ug/mL.



Immunofluorescence of TLR9 in mouse spleen cells with TLR9 antibody at 10 ug/mL.

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