

Anti-Toll-like receptor 6 TLR6 Antibody

Catalog Number: A01914

About TLR6

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. TLR6 was first identified as a close homolog of TLR1, sharing 69% sequence identity. Like TLR1, TLR6 can form heterodimers with TLR2, and these TLR6:TLR2 dimers coordinate macrophage activation by Gram-positive bacteria and the yeast cell wall particle zymosan. Activation of these complexes not only initiates pro-inflammatory cascades, but also can lead to apoptotic responses.

Overview

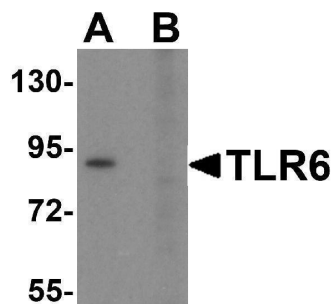
Product Name	Anti-Toll-like receptor 6 TLR6 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Toll-like receptor 6 TLR6 Antibody (Catalog # A01914). Tested in ELISA, WB, ICC applications. This antibody reacts with Human, Mouse.
Application	ELISA, ICC, WB
Clonality	Polyclonal
Formulation	TLR6 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TLR6 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	Q9Y2C9

Technical Details

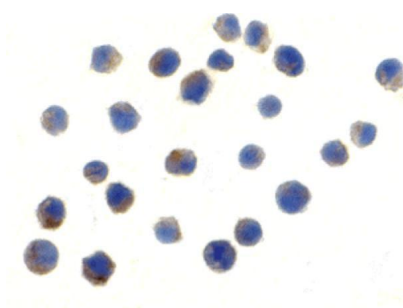
Immunogen	TLR6 antibody was raised against a peptide corresponding to 15 amino acids near the amino terminus of human TLR6. The immunogen is located within amino acids 160 - 210 of TLR6.
Predicted Reactive Species	Bovine, Mouse, Rat
Cross Reactivity	This TLR6 antibody is predicted to have no cross-reactivity to other members of the TLR protein family.
Isotype	IgG
Form	Liquid

Concentration	1 mg/mL
Purification	TLR6 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TLR6 antibody can be used for detection of TLR6 by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Toll-like receptor 6 TLR6 Antibody (A01914) Images



Western blot analysis of TLR6 in Daudi cell lysate with TLR6 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of TLR6 in Jurkat cells with TLR6 antibody at 10 ug/mL.

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