

Datasheet for ABIN6990587
anti-TLR5 antibody (AA 450-500)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	TLR5
Binding Specificity:	AA 450-500
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product 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.
Isotype:	IgG
Purification:	TLR5 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TLR5
Alternative Name:	TLR5 (TLR5 Products)
Background:	TLR5 Antibody: 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

Target Details

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- κ B, leading to the activation of TNF- α , 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.

Molecular Weight: Predicted: 94 kDa

Observed: 94 kDa

Gene ID: 7100

NCBI Accession: [NP_003259](#)

UniProt: [O60602](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: TLR5 antibody can be used for detection of TLR5 by Western blot at 0.5 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 10 μ g/mL.

Antibody validated: Western Blot in rat samples and Immunohistochemistry in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TLR5 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C, 4 °C
----------	--------------

Storage Comment:	TLR5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
------------------	--