

Datasheet for ABIN6990451
anti-TLR7 antibody (AA 420-470)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	TLR7
Binding Specificity:	AA 420-470
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	TLR7 antibody was raised against a peptide corresponding to 14 amino acids near the center of mouse TLR7. The immunogen is located within amino acids 420 - 470 of TLR7.
Isotype:	IgG
Purification:	TLR7 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TLR7
Alternative Name:	TLR7 (TLR7 Products)
Background:	TLR7 Antibody: 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

Target Details

and TIRAP to activate various kinases and transcription factors. TLR7, like TLRs 3, 8, and 9, is localized in intracellular acidic compartments such as the phagolysosome and will recognize some single-stranded RNA viruses such as vesicular stomatitis virus (VSV) and influenza virus. Activation of TLR7 by VSV results in stimulation of the immune response including IFN α secretion, suggesting the importance of TLR7 in virus recognition.

Molecular Weight: Predicted: 116 kDa

Observed: 135 kDa

Gene ID: 170743

NCBI Accession: [NP_573474](#)

UniProt: [P58681](#)

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

Application Details

Application Notes: TLR7 antibody can be used for detection of TLR7 by Western blot at 0.5 to 2 μ g/mL. Antibody can also be used for immunocytochemistry starting at 2 μ g/mL.

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TLR7 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.

Storage: -20 °C, 4 °C

Storage Comment: TLR7 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.