

Datasheet for ABIN3029178
anti-TLR7 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	TLR7
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human TLR7 (QAHPYFWQCLKNALATDNH) was used as the immunogen for this TLR7 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity

Target Details

Target:	TLR7
Alternative Name:	TLR7 (TLR7 Products)
Background:	Toll-like receptor 7 is protein that in humans is encoded by the TLR7 gene. Orthologs are found in mammals and birds. It is a member of the Toll-like receptor family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly

Target Details

conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is predominantly expressed in lung, placenta, and spleen, and lies in close proximity to another family member, TLR8, on human chromosome X. TLR7 recognises single stranded RNA in endosomes, which is a common feature of viral genomes which are internalised by macrophages.

UniProt: [Q9NYK1](#)

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

Application Details

Application Notes: The stated application concentrations are suggested starting points. Titration of the TLR7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the TLR7 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of TLR7 antibody and Lane 1: rat spleen; 2: rat liver; 3: U87; 4: A549 cell lysate



Western Blotting

Image 2. Western blot testing of TLR7 antibody and Lane 1: rat spleen