

Datasheet for ABIN500962

anti-TLR7 antibody (Middle Region)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mg
Target:	TLR7
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	TLR7 antibody was raised against a peptide corresponding to 14 amino acids near the middle of mouse TLR7.
Isotype:	IgG
Specificity:	This antibody detects TLR7 at Center.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Ion exchange chromatography

Target Details

Target:	TLR7
Alternative Name:	TLR7 (TLR7 Products)

Target Details

Background: 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 (1-3). These proteins act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors (4,5). TLR7, like TLRs 3, 8, and 9, is localized in intracellular acidic compartments such as the phagolysosome (6) and will recognize some single-stranded RNA viruses such as vesicular stomatitis virus (VSV) and influenza virus (7). Activation of TLR7 by VSV results in stimulation of the immune response including IFN γ secretion, suggesting the importance of TLR7 in virus recognition. Synonyms: Toll-like receptor 7

Gene ID: 170743

NCBI Accession: [NP_573474](#)

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

Application Details

Application Notes: ELISA. Western blot: 0.5 to 2 μ g/mL. Immunofluorescence.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

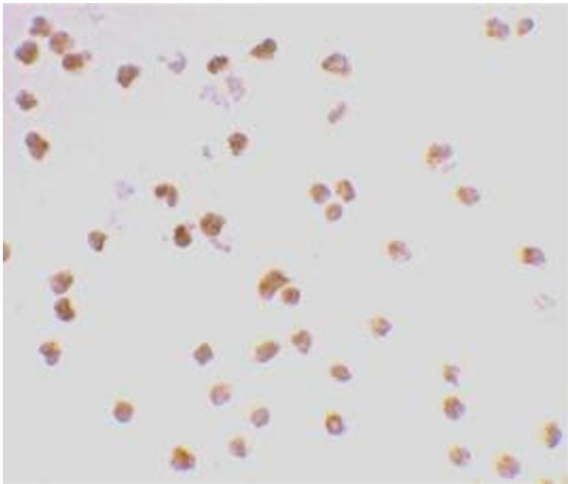
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

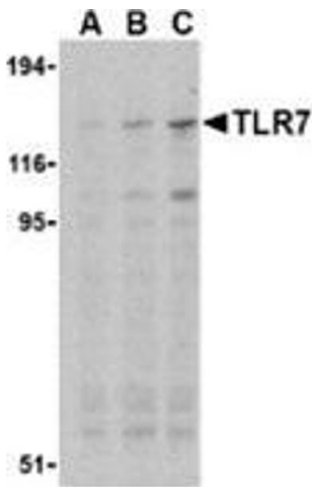
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry staining of Daudi cells using AP30905PU-N at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of TLR7 in Daudi cell lysates with this product at (A) 0.5, (B) 1, and (C) 2 µg/ml.