

Datasheet for ABIN500968
anti-TLR9 antibody (Center)



[Go to Product page](#)

2 Images **1** Publication

Overview

Quantity:	0.1 mg
Target:	TLR9
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	TLR9 antibody was raised against a peptide corresponding to 15 amino acids near the center of human TLR9.
Isotype:	IgG
Specificity:	This antibody detects CD289 / TLR9 at center.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	TLR9
Alternative Name:	CD289 / TLR9 (TLR9 Products)

Target Details

Background: 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 (1,2). TLR9 forms a subfamily along with TLR7 and TLR8 that recognize viral RNA and CpG DNA sequences (3) and are localized in intracellular acidic compartments such as the phagolysosome (4). Unlike other TLRs which act through adaptor molecules such as TOLLIP, TIRAP, TRIF, and MyD88 to activate various kinases and transcription factors to respond to potential infection (5), TLR9 is strictly dependent on MyD88 (3). Synonyms: Toll-like receptor 9, UNQ5798/PRO19605

Gene ID: 54106

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

Application Details

Application Notes: ELISA. Western blot: 0.5 to 1 µg/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.

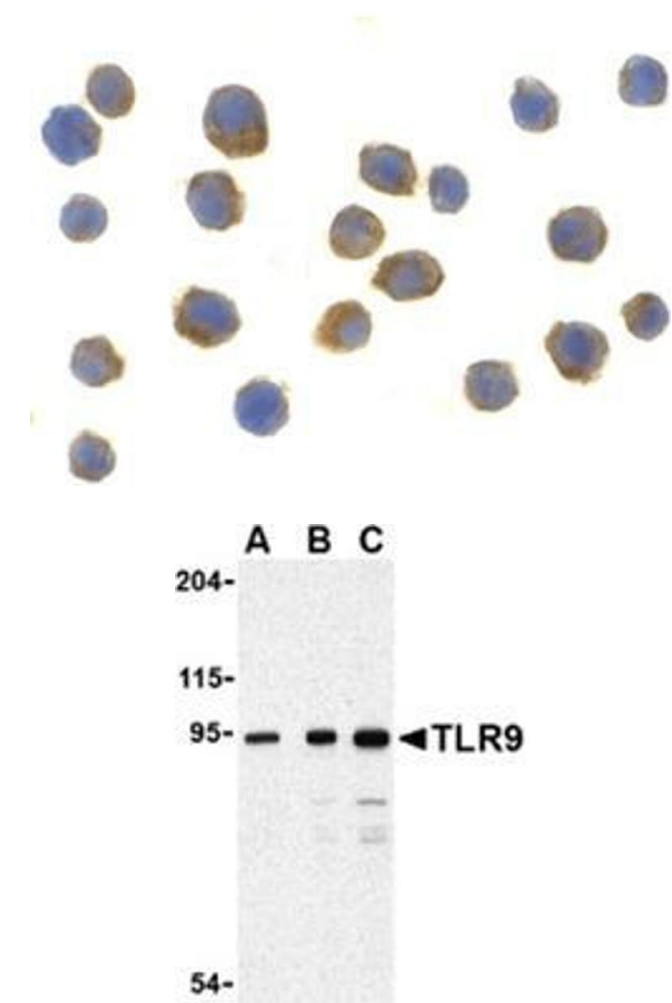
Handling Advice: Avoid repeated freezing and thawing.

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.

Publications

Product cited in: Yu, Bai, Zhang, Wang, Yu: "Repetitive extragenic palindromic DNA sequences from *Brucella melitensis* stimulate Toll-like receptor 9 signaling in macrophages." in: **Molecular medicine reports**, Vol. 15, Issue 1, pp. 271-276, (2017) ([PubMed](#)).



Immunofluorescence

Image 1. Immunocytochemistry of TLR9 in Jurkat cells with this product at 2 µg/ml.

Western Blotting

Image 2. Western blot analysis of TLR9 in Jurkat cell lysate with this product at (A) 0.5, (B) 1 and (C) 2 µg/ml.