A14642

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# TLR9 Rabbit pAb

**Catalog No.: A14642** 7 Publications

## Basic Information

**Observed MW**
135kDa

**Calculated MW**
116kDa

**Category**
Polyclonal Antibody

**Applications**
WB,IHC-P,ELISA

**Cross-Reactivity**
Human,Mouse,Rat

## Background

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly 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. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:3000 |
| **IHC-P** | 1:50 - 1:200 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
54106

**Swiss Prot**
Q9NR96

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
CD289; TLR9

## Contact

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## Product Information

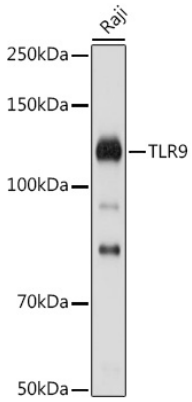
**Source**
Rabbit

**Isotype**
IgG

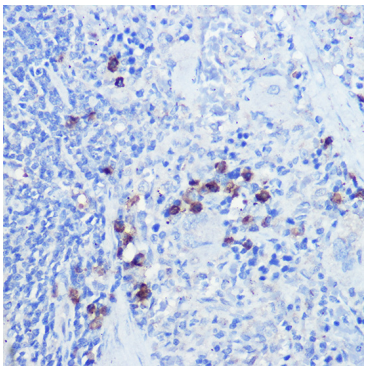
**Purification**
Affinity purification

**Storage**
Store at -20℃

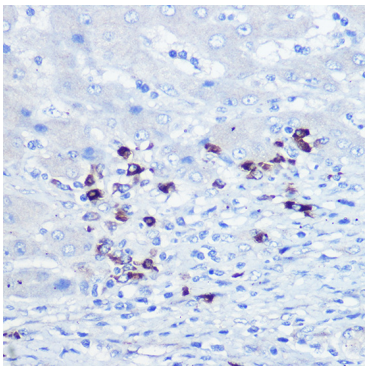
## Validation Data



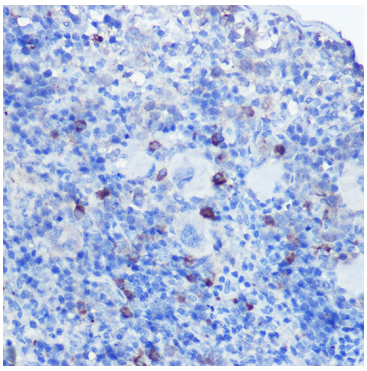

Western blot analysis of lysates from Raji cells, using TLR9 Rabbit pAb (A14642) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using TLR9 Rabbit pAb (A14642) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver using TLR9 Rabbit pAb (A14642) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using TLR9 Rabbit pAb (A14642) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.