



[Go to Product page](#)

Datasheet for ABIN749588  
**anti-TLR9 antibody (AA 951-1032)**

2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	TLR9
Binding Specificity:	AA 951-1032
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TLR9
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	TLR9
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## Target Details

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Alternative Name: [TLR9 \(TLR9 Products\)](#)

Background: Synonyms: CD289, Toll-like receptor 9, TLR9, UNQ5798/PRO19605  
Background: Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR9 is a nucleotide-sensing TLR which is activated by unmethylated cytidine-phosphate-guanosine (CpG) dinucleotides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Controls lymphocyte response to Helicobacter infection.

Gene ID: 54106

UniProt: [Q9NR96](#)

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

## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

## Handling

Storage: 4 °C, -20 °C

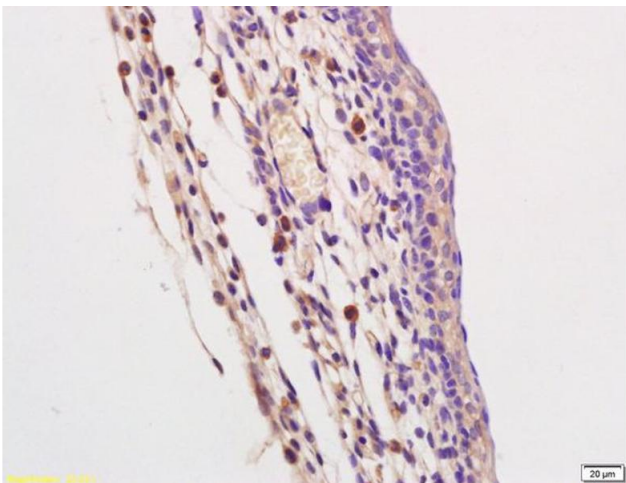
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

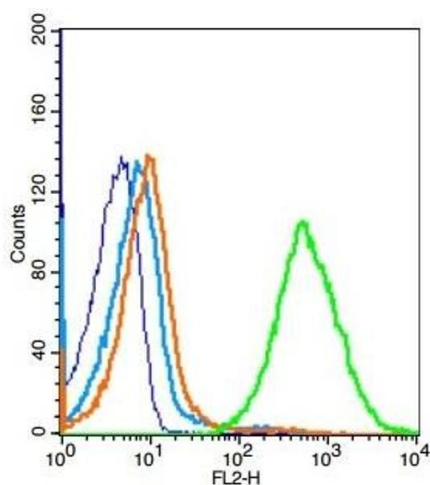
Product cited in: Fu, Shi, Song, Liu, Wang, Wang, Song, Song: "From the Cover: Tetrachlorobenzoquinone Exerts Neurological Proinflammatory Activity by Promoting HMGB1 Release, Which Induces TLR4 Clustering within the Lipid Raft." in: **Toxicological sciences : an official journal of the Society of Toxicology**, Vol. 153, Issue 2, pp. 303-15, (2016) ([PubMed](#)).

## Images



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded mouse embryo labeled with Rabbit Anti TLR9/CD289 Polyclonal Antibody, Unconjugated (ABIN749588) at 1:200 followed by conjugation to the secondary antibody and DAB staining



### Flow Cytometry

**Image 2.** Mouse splenocytes probed with TLR9 Polyclonal Antibody, Unconjugated at 1:100 for 30 minutes followed by incubation with a conjugated secondary (PE Conjugated) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).