# antibodies - online.com







## anti-TLR9 antibody (AA 350-450)





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Quantity:	100 μL
Target:	TLR9
Binding Specificity:	AA 350-450
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### **Product Details**

Purpose:	TLR9 Rabbit pAb	
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 350-450 of human TLR9 (NP_059138.1).	
Sequence:	SFAHLSLAPS FGSLVALKEL DMHGIFFRSL DETTLRPLAR LPMLQTLRLQ MNFINQAQLG IFRAFPGLRY VDLSDNRISG ASELTATMGE ADGGEKVWLQ P	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Characteristics:	Polyclonal Antibodies	
Purification:	Affinity purification	

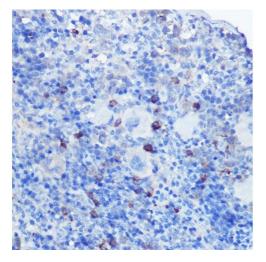
### **Target Details**

Target:	TLR9	
Alternative Name:	TLR9 (TLR9 Products)	
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. The various TLRs exhibit different patterns of expression. This gene is preferentially	
	expressed in immune cell rich tissues, such as spleen, lymph node, bone marrow and peripheral	
	blood leukocytes. 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.,TLR9,CD289,Signal Transduction,Immunology & Inflammation,CD markers,NF-kB	
	Signaling Pathway, Toll-like Receptor Signaling Pathway, Cell Intrinsic Innate Immunity Signaling	
	Pathway,TLR Signaling,TLR9	
Molecular Weight:	109kDa/114kDa/115kDa/118kDa	
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		
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	-20 °C	

Storage Comment:

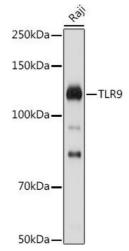
Store at -20°C. Avoid freeze / thaw cycles.

#### **Images**



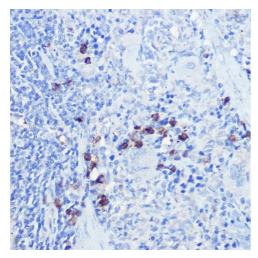
#### **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded mouse spleen using TLR9 Rabbit pAb (ABIN7270849) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of Raji cells, using TLR9 antibody (ABIN7270849) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



#### **Immunohistochemistry**

**Image 3.** Immunohistochemistry of paraffin-embedded rat spleen using TLR9 Rabbit pAb (ABIN7270849) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 4 images are available for ABIN7270849.