

For Research Use Only

# TLR9 Polyclonal antibody

Catalog Number: 27769-1-AP



## Basic Information

<b>Catalog Number:</b> 27769-1-AP	<b>GenBank Accession Number:</b> BC032713	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 54106	<b>Recommended Dilutions:</b> WB: 1:500-1:1000 IF-P: 1:50-1:500
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q9NR96	
<b>Immunogen Catalog Number:</b> AG25615	<b>Full Name:</b> toll-like receptor 9	
	<b>Calculated MW:</b> 1032 aa, 116 kDa	
	<b>Observed MW:</b> 100-130 kDa, 60-80 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> Daudi cells, Jurkat cells, Ramos cells, SH-SY5Y cells, mouse colon tissue, rat colon tissue
	<b>IF-P :</b> mouse brain tissue,

## Background Information

TLR9 is a member of the Toll-like receptor family which has been described in a wide-variety of animal species. TLR9 recognizes DNA motifs containing the dinucleotide CG (cytosine-guanine) where the C is unmethylated (CpG-containing DNA). TLR9 is expressed in a wide variety of cells such as B-cells, eosinophils, neutrophils, dendritic cells, macrophages, bronchial epithelial cells, and type-I and type-II lung cells, amongst others. Like all TLRs that recognize nucleic acids, TLR9 is confined to the endoplasmic reticulum and to endolysosomes. Western blot analysis revealed a 130 kDa band (entire form), 100 kDa fragment (soluble form) and a supplementary 60-80 kDa band (cleaved fragment) (PMID: 24582318,18820679, 21604257).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

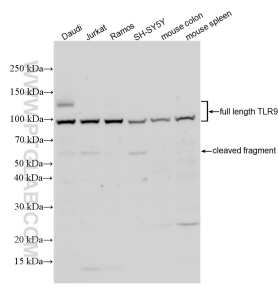
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

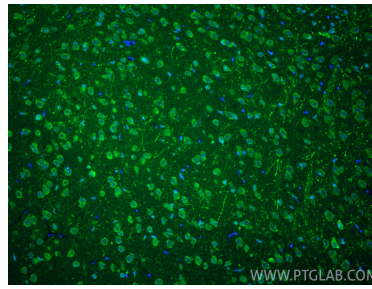
W: [ptgcn.com](http://ptgcn.com)

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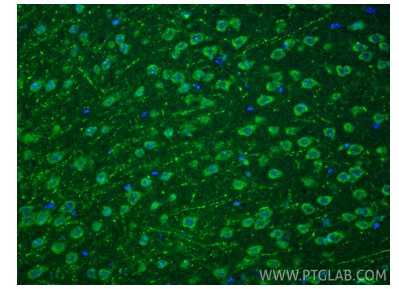
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27769-1-AP (TLR9 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TLR9 antibody (27769-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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