

For Research Use Only

TLR9 Polyclonal antibody

Catalog Number: 27769-1-AP



Basic Information

Catalog Number: 27769-1-AP	GenBank Accession Number: BC032713	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 620 ug/ml by Nanodrop;	GeneID (NCBI): 54106	Recommended Dilutions: WB: 1:500-1:1000 IF-P: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NR96	
Isotype: IgG	Full Name: toll-like receptor 9	
Immunogen Catalog Number: AG25615	Calculated MW: 1032 aa, 116 kDa	
	Observed MW: 100-130 kDa, 60-80 kDa	

Applications

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

*** 20ul sizes contain 0.1% BSA

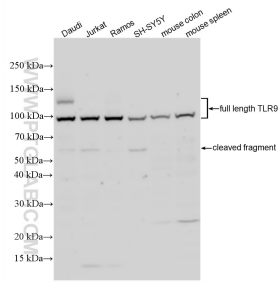
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

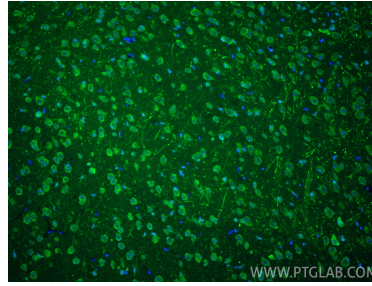
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

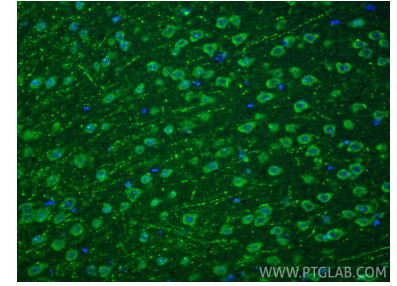
Selected Validation Data



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).



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).