

For Research Use Only

# TLR5 Polyclonal antibody

Catalog Number: 19810-1-AP

14 Publications



## Basic Information

Catalog Number:

19810-1-AP

Size:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13840

GenBank Accession Number:

BC109119

GeneID (NCBI):

7100

UNIPROT ID:

O60602

Full Name:

toll-like receptor 5

Calculated MW:

858 aa, 98 kDa

Observed MW:

97 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

## Applications

Tested Applications:

IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IP: HeLa cells,

IHC: human small intestine tissue, human tonsillitis tissue, human ovary tissue

## Background Information

TLR5 belongs to the Toll-like receptor family which are important in the innate immune response to pathogens. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. TLR5 is known to recognize bacterial flagellin from invading mobile bacteria. TLR5 acts via MYD88 and TRAF6, leading to NF-κB activation, cytokine secretion and the inflammatory response. Mutations in TLR5 gene have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhaohua Shen	36182776	EBioMedicine	IHC
Ying Xu	27703525	Oncol Lett	WB, IF
Anthony Ambesi	35805158	Cells	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

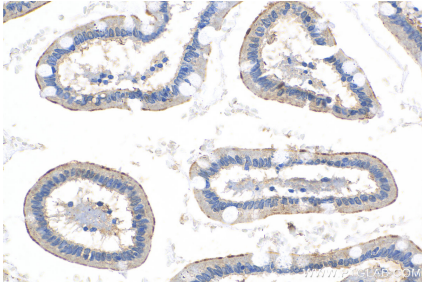
T: 4006900926

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

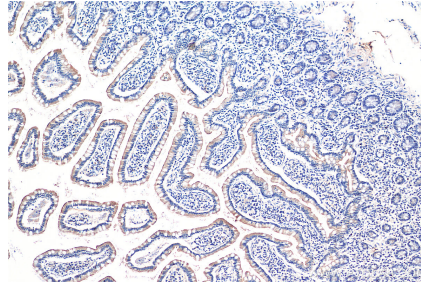
W: [ptgcn.com](http://ptgcn.com)

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

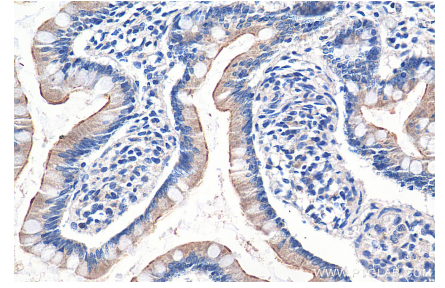
## Selected Validation Data



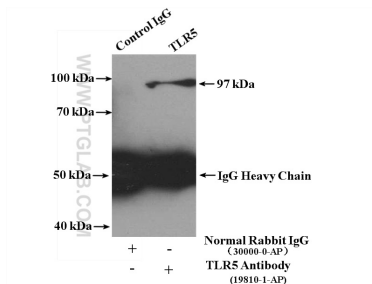
Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 19810-1-AP (TLR5 antibody) at dilution of 1:400 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 19810-1-AP (TLR5 antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 19810-1-AP (TLR5 antibody) at dilution of 1:400 (under 40x lens).



IP result of anti-TLR5 (IP:19810-1-AP, 4ug;  
Detection:19810-1-AP 1:300) with HeLa cells lysate  
4000ug.