

# TLR2 Polyclonal antibody

Catalog Number: 17236-1-AP

Featured Product

26 Publications

## Basic Information

## Catalog Number:

17236-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG11079

## GenBank Accession Number:

BC033756

## GeneID (NCBI):

7097

## UNIPROT ID:

O60603

## Full Name:

toll-like receptor 2

## Calculated MW:

784 aa, 90 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

IHC 1:200-1:800

## Applications

## Tested Applications:

IHC, ELISA

## Cited Applications:

WB, IP, IF, IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat, mouse, pig

**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:

IHC : human tonsillitis tissue,

## Background Information

TLR2, also known as CD282, is a member of the Toll-like receptor (TLR) family. TLR receptors are type I integral transmembrane glycoproteins that play a fundamental role in pathogen recognition and activation of innate immunity. TLR2 is expressed by immune cells including monocytes/macrophages, polymorphonuclear leukocytes (PMLs), and dendritic cells, and is also expressed by some non-immune cells including endothelial and epithelial cells (PMID: 21428911; 22566960). TLR2 forms heterodimers with TLR1 and TLR6, which is the initial step in a cascade of events leading to significant innate immune responses, development of adaptive immunity to pathogens, and protection from immune sequelae related to infection with these pathogens (PMID: 22566960).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ying Tu	36155221	Environ Pollut	WB
Minghao Yan	36385231	Mol Neurobiol	WB
Xiao-Hui Jin	33740580	Mol Immunol	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

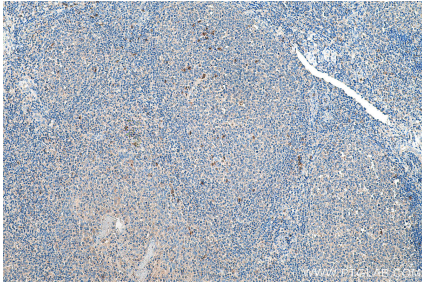
For technical support and original validation data for this product please contact:

T: 4006900926

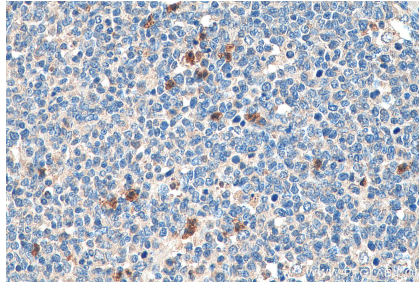
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17236-1-AP (TLR2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17236-1-AP (TLR2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).