

For Research Use Only

TLR2 Polyclonal antibody

Catalog Number: 17236-1-AP

Featured Product

25 Publications



Basic Information

Catalog Number: 17236-1-AP	GenBank Accession Number: BC033756	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 7097	Recommended Dilutions: IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: O60603	
Isotype: IgG	Full Name: toll-like receptor 2	
Immunogen Catalog Number: AG11079	Calculated MW: 784 aa, 90 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human tonsillitis tissue,
Cited Applications: IF, IHC, IP, WB	
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	

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:

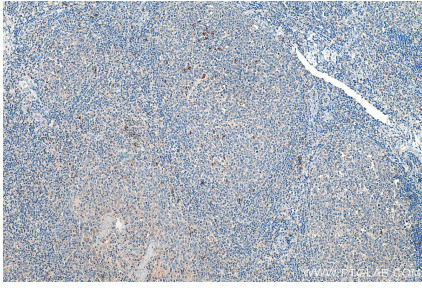
T: 4006900926

E: Proteintech-CN@ptglab.com

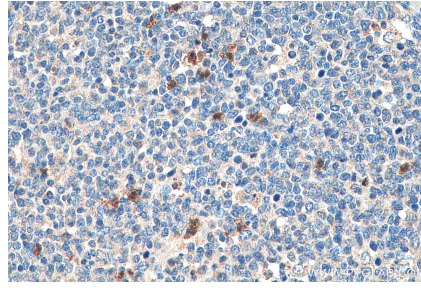
W: ptgcn.com

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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).