

For Research Use Only

TLR7 Polyclonal antibody

Catalog Number: 17232-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number: 17232-1-AP	GenBank Accession Number: BC033651	Purification Method: Antigen affinity purification
Concentration: 550 µg/ml	GeneID (NCBI): 51284	Recommended Dilutions: WB: 1:500-1:1000 IHC: 1:50-1:500 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9NYK1	
Isotype: IgG	Full Name: toll-like receptor 7	
Immunogen Catalog Number: AG11073	Calculated MW: 1049 aa, 121 kDa Observed MW: 121 kDa, 100 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : mouse lung tissue, Jurkat cells IHC : human lung tissue, human small intestine tissue IF/ICC : RAW 264.7 cells,
Cited Applications: WB, IHC, IF	
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	

Background Information

Among the TLR family, TLR7 (toll-like receptor 7) is an endosomal innate immune sensor that can detect single-stranded ribonucleic acid. Constitutive expression of TLR7 is pre-dominant in dendritic cells and B cells compared to other immune cells. Low levels of TLR7 expression have been observed in non-immune cells, such as hepatocytes, epithelial cells, and keratinocytes (PMID: 37596656).

Notable Publications

Author	Pubmed ID	Journal	Application
Li Zhang	32920982	Acta Physiol (Oxf)	WB
Mingyang Niu	33365075	Exp Ther Med	WB
Hsin-Yuan Chen	36421424	Antioxidants (Basel)	WB

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:

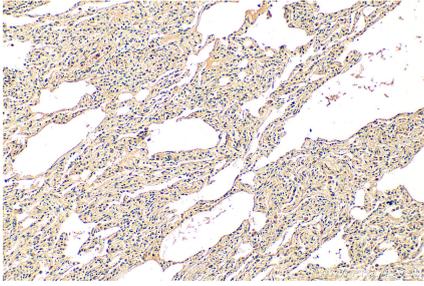
T: 4006900926

E: Proteintech-CN@ptglab.com

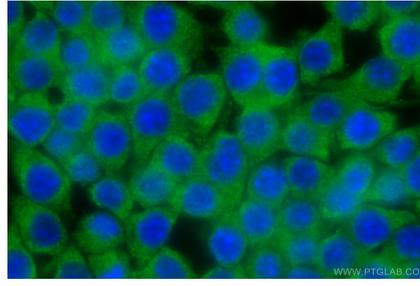
W: ptgcn.com

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Selected Validation Data



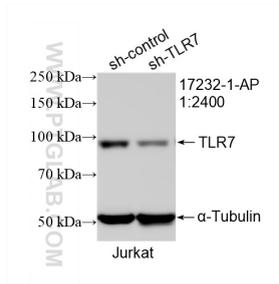
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 17232-1-AP (TLR7 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



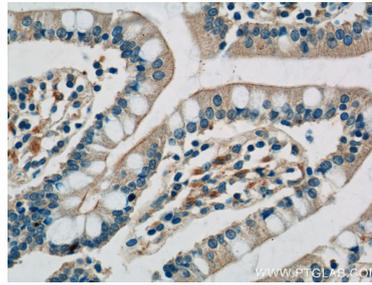
Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using TLR7 antibody (17232-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



mouse lung tissue were subjected to SDS PAGE followed by western blot with 17232-1-AP (TLR7 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



WB result of TLR7 antibody (17232-1-AP; 1:2400; incubated at room temperature for 1.5 hours) with sh-Control and sh-TLR7 transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 17232-1-AP (TLR7 Antibody) at dilution of 1:50 (under 40x lens).