

For Research Use Only

# CD20 Polyclonal antibody

Catalog Number: 24828-1-AP **6 Publications**



## Basic Information

<b>Catalog Number:</b> 24828-1-AP	<b>GenBank Accession Number:</b> BC002807	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 250 ug/ml	<b>GeneID (NCBI):</b> 931	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000 IF-P 1:50-1:500 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11836	
<b>Isotype:</b> IgG	<b>Full Name:</b> membrane-spanning 4-domains, subfamily A, member 1	
<b>Immunogen Catalog Number:</b> AG17309	<b>Calculated MW:</b> 297 aa, 33 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IF-P, IP, ELISA	<b>Positive Controls:</b> WB : Daudi cells, Raji cells, Ramos cells IP : Raji cells, IHC : human tonsillitis tissue, human appendicitis tissue, human breast cancer tissue, human colon cancer tissue IF-P : human tonsillitis tissue, Raji cells IF/ICC : Raji cells,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

CD20 is a 33-37 kDa transmembrane phosphoprotein. CD20 is a B-lymphocyte surface molecule that is widely expressed during B-cell ontogeny, from early pre-B-cell developmental stages until final differentiation into plasma cells. CD20 functions as calcium-permeable cation channel. It is involved in the regulation of B-cell activation and proliferation. CD20 serves as a useful target for antibody-mediated therapeutic depletion of B-cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
A Zietzer	27770498	Acta Physiol (Oxf)	WB
Sirui Qian	35020842	Clin Exp Immunol	IHC
Han Wang	40020328	Pathol Res Pract	WB,IHC

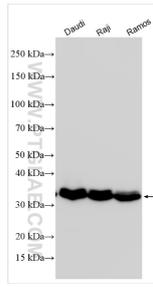
## Storage

**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

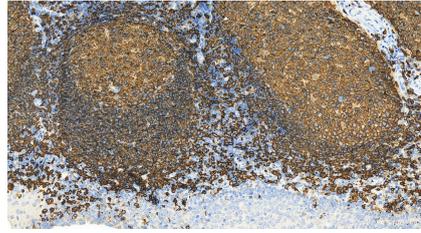
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

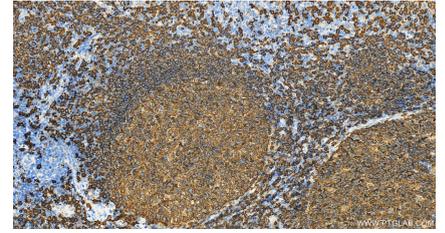
## Selected Validation Data



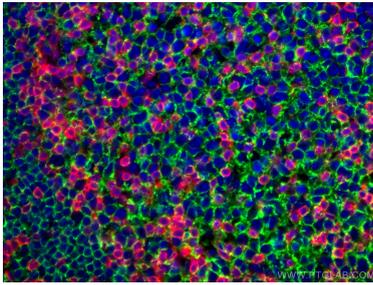
Various lysates were subjected to SDS PAGE followed by western blot with 24828-1-AP (CD20 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



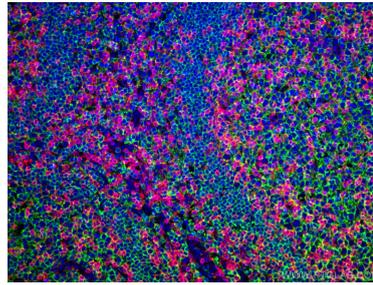
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 24828-1-AP (CD20 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



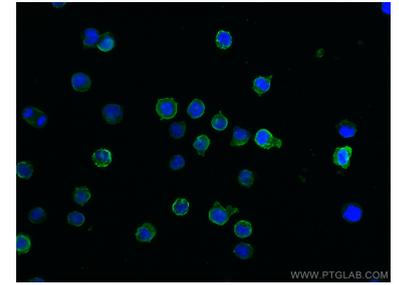
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 24828-1-AP (CD20 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



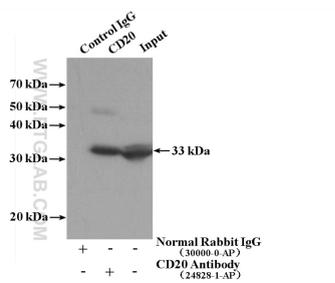
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD20 antibody (24828-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CD3 antibody (60181-1-Ig, Clone: 3F3A1, red).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD20 antibody (24828-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CD3 antibody (60181-1-Ig, Clone: 3F3A1, red).



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD20 antibody (24828-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-CD20 (IP:24828-1-AP, 4ug; Detection:24828-1-AP 1:600) with Raji cells lysate 1440ug.