

For Research Use Only

# CD45 Polyclonal antibody

Catalog Number: 33651-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 33651-1-AP	<b>GenBank Accession Number:</b> NM_138507.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 570 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 24699	<b>Recommended Dilutions:</b> WB: 1:1000-1:8000 IHC: 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04157-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	
<b>Immunogen Catalog Number:</b> EG4666	<b>Calculated MW:</b> 143 kDa	
	<b>Observed MW:</b> 180 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : NR8383 cells, rat thymus tissue IHC : rat spleen tissue,
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> rat	
<b>Cited Species:</b> rat	
<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

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuemei Li	41108726	ACS Appl Mater Interfaces	IHC

## Storage

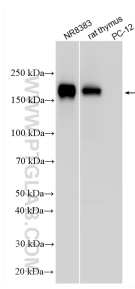
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

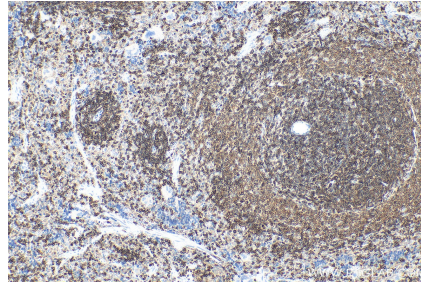
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

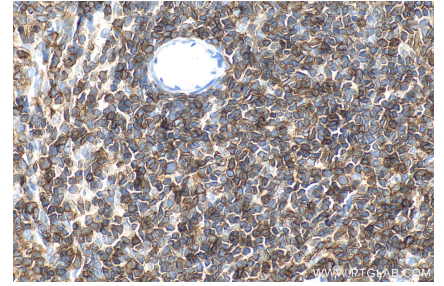
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33651-1-AP (CD45 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 33651-1-AP (CD45 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 33651-1-AP (CD45 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).