

For Research Use Only

CD45 Polyclonal antibody

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



Basic Information

Catalog Number: 33651-1-AP	GenBank Accession Number: NM_138507.3	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 24699	Recommended Dilutions: WB: 1:1000-1:8000 IHC: 1:500-1:2000
Isotype: IgG	UNIPROT ID: P04157-1	
Immunogen Catalog Number: EG4666	Full Name: protein tyrosine phosphatase, receptor type, C	
	Calculated MW: 143 kDa	
	Observed MW: 180 kDa	

Applications

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

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

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

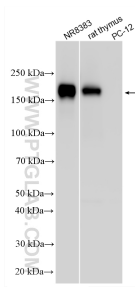
T: 4006900926

E: Proteintech-CN@ptglab.com

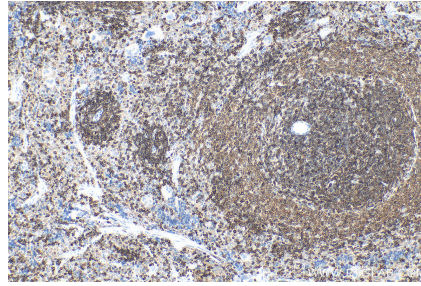
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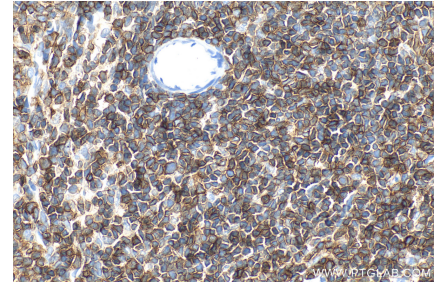
Selected Validation Data



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).