

For Research Use Only

CD5 Polyclonal antibody

Catalog Number: 31502-1-AP



Basic Information

Catalog Number: 31502-1-AP	GenBank Accession Number: NM_014207.4	Purification Method: Antigen affinity Purification
Size: 700 µg/ml	GeneID (NCBI): 921	Recommended Dilutions: WB 1:500-1:3000 IHC 1:200-1:800
Source: Rabbit	ENSEMBL Gene ID: ENSG00000110448	
Isotype: IgG	UNIPROT ID: P06127	
	Full Name: CD5 molecule	
	Calculated MW: 55 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Jurkat cells, MJ cells, MOLT-4 cells
Species Specificity: Human	IHC : human appendicitis tissue,
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

CD5 is a type I transmembrane glycoprotein of the scavenger receptor cysteine-rich family (PMID: 12403363). CD5 is expressed on a majority of thymocytes, mature T cells, B cell subsets, and peripheral blood dendritic cells (PMID: 9858516; 6156984; 10379049; 1384337). CD5 may act as a receptor in regulating T-cell proliferation. It functions as a negative regulator of TCR signaling during thymocyte development (PMID: 7542801).

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:

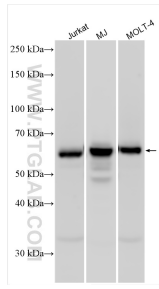
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E: Proteintech-CN@ptglab.com

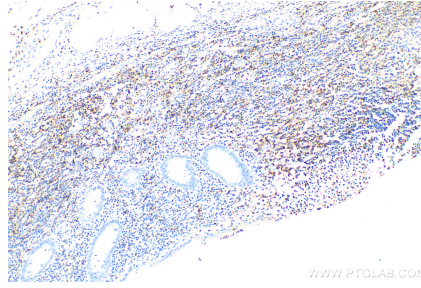
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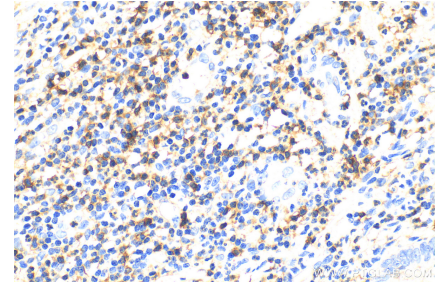
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31502-1-AP (CD5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 31502-1-AP (CD5 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 appendicitis tissue slide using 31502-1-AP (CD5 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).