

For Research Use Only

# PTPN22 Polyclonal antibody

Catalog Number: 11783-1-AP

4 Publications



## Basic Information

Catalog Number:

11783-1-AP

Concentration:

800 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2397

GenBank Accession Number:

BC017785

GeneID (NCBI):

26191

UNIPROT ID:

Q9Y2R2

Full Name:

protein tyrosine phosphatase, non-receptor type 22 (lymphoid)

Calculated MW:

82 kDa, 92 kDa

Observed MW:

100-110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human

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**

Positive Controls:

WB: Daudi cells, Raji cells, Jurkat cells

IP: Jurkat cells,

IHC: human lymphoma tissue,

## Background Information

PTPN22 (Tyrosine-protein phosphatase non-receptor type 22) is also named as LyP, PEP, PTPN8. It belongs to the protein-tyrosine phosphatase family and non-receptor class 4 subfamily. It acts as negative regulator of T-cell receptor (TCR) signaling. Defects in PTPN22 are a cause of susceptibility to systemic lupus erythematosus (SLE). It has some isoforms produced by alternative splicing with calculated molecular mass of 79-92 kDa, and apparent molecular mass of 100-110 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kyoko Hayakawa	28878001	J Exp Med	WB
Wai W Lin	26329582	Sci Signal	WB, IP
Varga Angelika A	24114173	Pflugers Arch	IF

## 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:

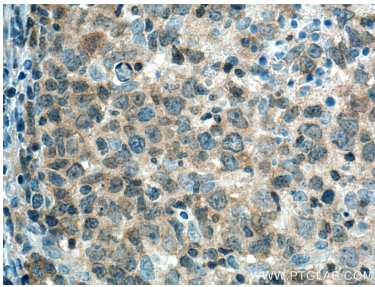
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

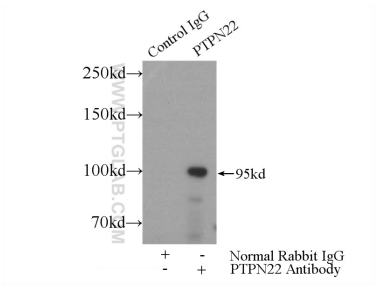
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11783-1-AP (PTPN22 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Various lysates were subjected to SDS PAGE followed by western blot with 11783-1-AP (PTPN22 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-PTPN22 (IP:11783-1-AP, 4ug; Detection:11783-1-AP 1:300) with Jurkat cells lysate 3080ug.