

For Research Use Only

# PTPRJ Polyclonal antibody, PBS Only

Catalog Number: 55123-1-PBS

Featured Product



## Basic Information

Catalog Number:

55123-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002843

GeneID (NCBI):

5795

UNIPROT ID:

Q12913

Full Name:

protein tyrosine phosphatase,  
receptor type, J

Calculated MW:

146 kDa

Observed MW:

146-170 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

## Background Information

PTPRJ, also named as CD148 and DEP1, belongs to the protein-tyrosine phosphatase family and Receptor class 3 subfamily. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPRJ may contribute to the mechanism of contact inhibition of cell growth. PTPRJ is present in all hematopoietic lineages, and was shown to negatively regulate T cell receptor signaling possibly through interfering with the phosphorylation of Phospholipase C Gamma 1 (PLCG1) and Linker for Activation of T Cells (LAT). It was also found to dephosphorylate PDGF beta receptor, and may be involved in UV-induced signal transduction. The antibody is specific to PTPRJ.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

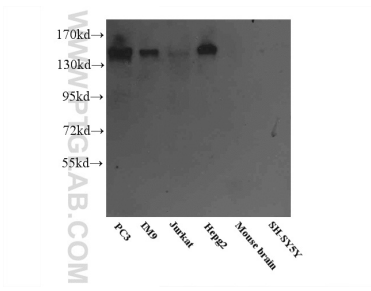
T: 4006900926

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

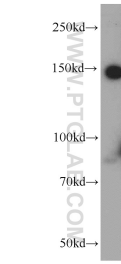
W: [ptgcn.com](http://ptgcn.com)

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

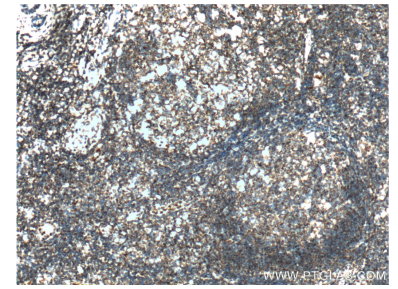
## Selected Validation Data



WB result of 55123-1-AP. This data was developed using the same antibody clone with 55123-1-PBS in a different storage buffer formulation.



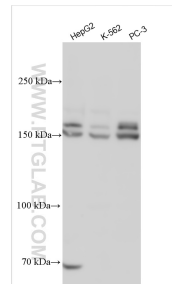
K-562 cells were subjected to SDS PAGE followed by western blot with 55123-1-AP (PTPRJ antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55123-1-PBS in a different storage buffer formulation.



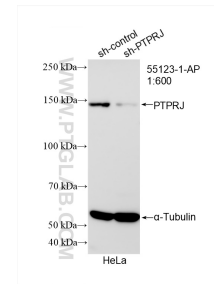
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 55123-1-AP (PTPRJ Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55123-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 55123-1-AP (PTPRJ Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55123-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 55123-1-AP (PTPRJ antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55123-1-PBS in a different storage buffer formulation.



WB result of PTPRJ antibody (55123-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-PTPRJ transfected HeLa cells. This data was developed using the same antibody clone with 55123-1-PBS in a different storage buffer formulation.