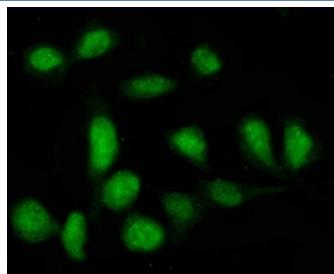


## PTPN22 Antibody (RQ6794)

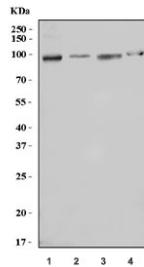
Catalog No.	Formulation	Size
RQ6794	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9Y2R2
<b>Localization</b>	Cytoplasmic, nuclear, cell membrane
<b>Applications</b>	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This PTPN22 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with PTPN22 antibody.



Western blot testing of 1) human Raji, 2) human HeLa, 3) human Jurkat and 4) rat PC-12 cell lysate with PTPN22 antibody. Expected molecular weight ~92 kDa, but can be observed at up to ~105 kDa.

## Description

Protein tyrosine phosphatase, non-receptor type 22 (lymphoid), also known as PTPN22, is a protein that in humans is encoded by the PTPN22 gene. It is mapped to 1p13.2. This gene encodes of member of the non-receptor class 4 subfamily of the protein-tyrosine phosphatase family. The encoded protein is a lymphoid-specific intracellular phosphatase that associates with the molecular adapter protein CBL and may be involved in regulating CBL function in the T-cell receptor signaling pathway. Mutations in this gene may be associated with a range of autoimmune disorders including Type 1 Diabetes, rheumatoid arthritis, systemic lupus erythematosus and Graves' disease. Alternatively spliced transcript variants encoding distinct isoforms have been described.

## Application Notes

Optimal dilution of the PTPN22 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids M1-K42) was used as the immunogen for the PTPN22 antibody.

## Storage

After reconstitution, the PTPN22 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.