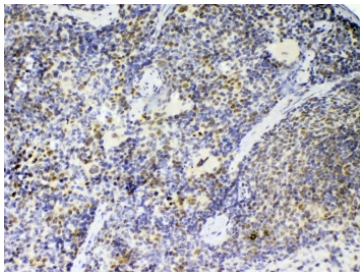
Ptpn22 Antibody (RQ4039)

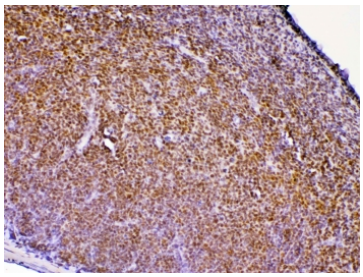
Catalog No.	Formulation	Size
RQ4039	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

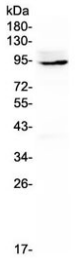
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P29352
Localization	Cytoplasmic, nuclear, cell membrane
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Ptpn22 antibody is available for research use only.



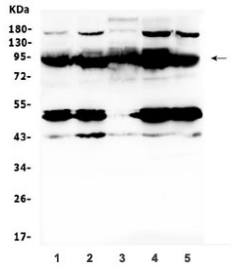
IHC testing of FFPE mouse spleen tissue with Ptpn22 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat lymph tissue with Ptpn22 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of rat thymus lysate with Ptpn22 antibody at 0.5ug/ml. Expected molecular weight ~92 kDa, but can be observed at up to ~105 kDa.



Western blot testing of human 1) SW579, 2) HepG2, 3) placenta, 4) HeLa and 5) SW620 lysate with Ptpn22 antibody at 0.5ug/ml. 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. 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

A recombinant mouse partial protein corresponding to amino acids M1-Q309 was used as the immunogen for the Ptpn22 antibody.

Storage

After reconstitution, the Ptpn22 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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