

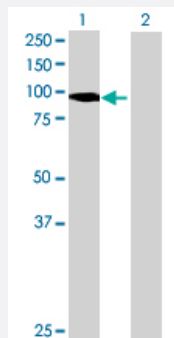
MaxPab®

PTPN22 MaxPab mouse polyclonal antibody (B01)

Catalog # H00026191-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PTPN22 expression in transfected 293T cell line ([H00026191-T01](#)) by PTPN22 MaxPab polyclonal antibody.

Lane1:PTPN22 transfected lysate(82.72 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PTPN22 protein.

Immunogen

PTPN22 (AAH71670.1, 1 a.a. ~ 752 a.a) full-length human protein.

Sequence

MDQREILQKFLDEAQSKKITKEEFANEFLKLKRQSTKYKADKTYPTTVAEKPKNIKKNRYKDILPYD
YSRVELSLITSDDEDSSYNANFIKGVYGPAYATQGPLSTLLDFWRMIWEYSVLIVMACMEYEMG
KKKCERYWAEPGEMQLEFGPFSVSCEAEKRKSDYIIRTLKVKFNSETRTYQFHYKNWPDHDVPS
SIDPILELWDVRCYQEDDSVPICIHCSAGCGRTGVICAIDYTWMLLKDGSGQAKHCIPKHNHTLQAD
SYSPNLPKSTTKAAKMMNQRTKMEIKESSSDFRTSEISAKEELVLHPAKSSTSDFLELNYSFD
KNADTTMKWQTKAFPIVGEPLQKHQSLDLGSLLFEGCSNSKPVNAAGRYFNSKVPITRTKSTPFE
LIQQRETKEVDSKENFSYLESQPHDSCFVEMQAQKVMHVSSAELNYSLPYDSKHQIRNASNVKH
HDSSALGVYSYIPLVENPYFSSWPPSGTSSKMSLDLPEKQDGTVPSSLLPTSSTLSFSYNSHD
SLSLNSTPNISLLNQESAVLATAPRIDDEIPPLPVRTPEFIVVEEAGEFSPNPVPSLSSAVKVKI
GTSLEWGGTSEPCKFDSDVILRPSKSVKLRSPKSELHQDRSSPPPLPERTLESFFLADEDCMQ
AQSIETYSTSYPTMENSTSSKQTLKTPGKSFTRSKSLKILRNMKKSICNSCPPNKPESVQSNNS
SSFLNFGFANRFSKPKGPRNPPTWNI

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (60); Rat (63)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Transfected lysate)

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Lane2:Non-transfected lysate.

[Protocol Download](#)

Gene Info — PTPN22

Entrez GeneID	26191
GeneBank Accession#	BC071670.1
Protein Accession#	AAH71670.1
Gene Name	PTPN22
Gene Alias	LYP, Lyp1, Lyp2, PEP, PTPN8
Gene Description	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)
Omim ID	152700 180300 222100 600716
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]

Other Designations

OTTHUMP00000013720|lymphoid-specific protein tyrosine phosphatase|protein tyrosine phosphatase, non-receptor type 8

Publication Reference

- [High basal activity of the PTPN22 gain-of-function variant blunts leukocyte responsiveness negatively affecting IL-10 production in ANCA vasculitis.](#)

Cao Y, Yang J, Colby K, Hogan SL, Hu Y, Jennette CE, Berg EA, Zhang Y, Jennette JC, Falk RJ, Preston GA.

PLoS One 2012 Aug; 7(8):e42783.

Application: ELISA, Human, Human lymphocytes, monocytes, neutrophils

Disease

- [Acute Disease](#)
- [Addison Disease](#)
- [Alopecia Areata](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Autoimmune polyglandular syndrome](#)
- [Bacterial Infections](#)
- [Behcet Syndrome](#)
- [Bipolar Disorder](#)
- [Brucellosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)

- [Chagas Cardiomyopathy](#)
- [Cholangitis](#)
- [Chromosome Aberrations](#)
- [Colitis](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Eczema](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Achalasia](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)
- [Hashimoto Disease](#)
- [Hemophilia A](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Hypoparathyroidism](#)
- [IgA Deficiency](#)
- [Infection](#)

- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leprosy](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Macular Degeneration](#)
- [Melanoma](#)
- [Meniere Disease](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Myasthenia Gravis](#)
- [Myositis](#)
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- [Osteoarthritis](#)
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- [Prediabetic State](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Purpura](#)
- [Retinal Vasculitis](#)
- [Rheumatic Diseases](#)
- [Scleroderma](#)

- [Skin Diseases](#)
- [Takayasu Arteritis](#)
- [Taste](#)
- [Temporal Arteritis](#)
- [Thymoma](#)
- [Thymus Neoplasms](#)
- [Thyroid Diseases](#)
- [Thyroiditis](#)
- [Tuberculosis](#)
- [Turner Syndrome](#)
- [Uveitis](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Vitiligo](#)
- [Wegener Granulomatosis](#)