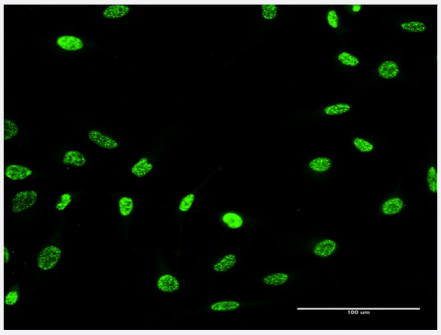
PTPN22 monoclonal antibody (M02), clone 1A6

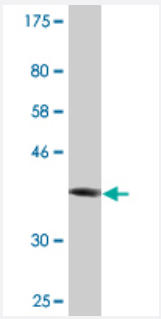
Catalog # H00026191-M02 Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to PTPN22 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.18 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PTPN22.
Immunogen	PTPN22 (NP_057051.2, 10 a.a. ~ 113 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	FLDEAQSKKITKEEFANEFLKLKRQSTKYKADKTYPTTVAEKPKNIKKNRYKDILPYDYSRVELSLIT SDEDSSYINANFIKGVYGPKAYIATQGPLSTTLLDF
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (60); Rat (63)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.18 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to PTPN22 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PTPN22

Entrez GeneID	26191
GeneBank Accession#	NM_015967
Protein Accession#	NP_057051.2
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

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
- Nephritis
- Osteoarthritis
- Postoperative Complications
- 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