

PTP22 Polyclonal Antibody

Catalog No :	YT3901
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	PTP22
Gene Name :	PTPN22
Protein Name :	Tyrosine-protein phosphatase non-receptor type 22
Human Gene Id :	26191
Human Swiss Prot No :	Q9Y2R2
Mouse Gene Id :	19260
Mouse Swiss Prot No :	P29352
Immunogen :	Synthesized peptide derived from the N-terminal region of human PTP22.
Specificity :	PTP22 Polyclonal Antibody detects endogenous levels of PTP22 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 91kD

Cell Pathway : MAPK

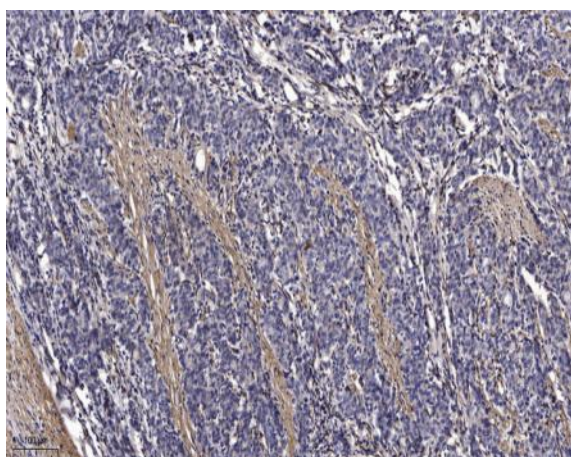
Background : This gene encodes a member of the non-receptor class 4 subfamily of the protein-tyrosine phosphatase family. The encoded protein is a lymphoid-specific intracellular phosphatase that associates with the molecular adapter protein CBL and may be involved in regulating CBL function in the T-cell 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, Mar 2009],

Function : catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Seems to act on Cbl. May play a role in regulating the function of Cbl and its associated protein kinases.,similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class 4 subfamily.,similarity:Contains 1 tyrosine-protein phosphatase domain.,tissue specificity:Predominantly expressed in lymphoid tissues and cells. Isoform 1 is expressed in thymocytes and both mature B and T-cells.,

Subcellular Location : Cytoplasm .

Expression : Expressed in bone marrow, B and T-cells, PBMCs, natural killer cells, monocytes, dendritic cells and neutrophils (PubMed:15208781). Both isoform 1 and 4 are predominantly expressed in lymphoid tissues and cells. Isoform 1 is expressed in thymocytes and both mature B and T-cells.

Products Images



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).