

## PTP22 Polyclonal Antibody

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

**Observed Band :** 91kD

**Cell Pathway :** MAPK

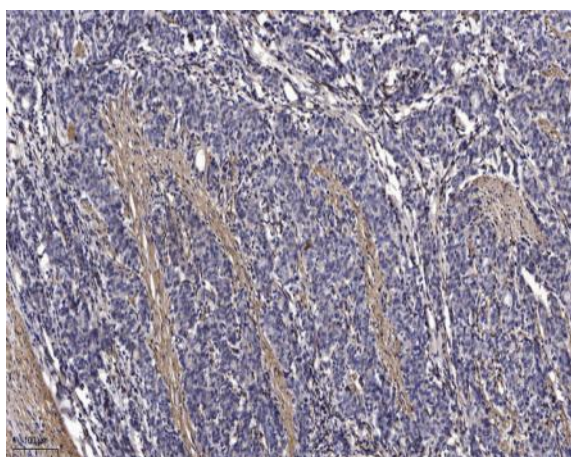
**Background :** This gene encodes a member of the non-receptor class 4 subfamily of the protein-tyrosine phosphatase family. The encoded protein is a lymphoid-specific intracellular phosphatase that associates with the molecular adapter protein CBL and may be involved in regulating CBL function in the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