

## PTPα Polyclonal Antibody

<b>Catalog No :</b>	YT3902
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	PTPα
<b>Gene Name :</b>	PTPRA
<b>Protein Name :</b>	Receptor-type tyrosine-protein phosphatase alpha
<b>Human Gene Id :</b>	5786
<b>Human Swiss Prot No :</b>	P18433
<b>Mouse Gene Id :</b>	19262
<b>Mouse Swiss Prot No :</b>	P18052
<b>Rat Swiss Prot No :</b>	Q03348
<b>Immunogen :</b>	Synthesized peptide derived from PTPα . at AA range: 730-810
<b>Specificity :</b>	PTPα Polyclonal Antibody detects endogenous levels of PTPα 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; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Observed Band :** 90kD

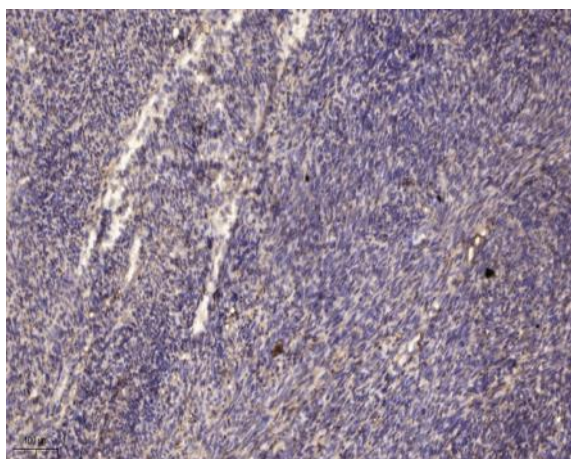
**Background :** The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. This PTP has been shown to dephosphorylate and activate Src family tyrosine kinases, and is implicated in the regulation of integrin signaling, cell adhesion and proliferation. Three alternatively spliced variants of this gene, which encode two distinct isoforms, have been reported. [provided by RefSeq, Jul 2008],

**Function :** catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,similarity:Belongs to the protein-tyrosine phosphatase family. Receptor class 4 subfamily.,similarity:Contains 2 tyrosine-protein phosphatase domains.,

**Subcellular Location :** Cell membrane ; Single-pass type I membrane protein . Cell junction, focal adhesion . Localizes to focal adhesion sites following integrin engagement. .

**Expression :** Brain,Epithelium,Kidney,Lymph node,Skin,

## Products Images



Immunohistochemical analysis of paraffin-embedded human uterus. 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).