



Antibody type:	Primary antibody
Isotype:	Rabbit IgG
Source:	Rabbit
Applications:	WB,ICC/IF,IP
Purification:	Affinity purified
Reactivity:	Human
Clone Number:	Polyclonal antibody
Gene Name:	PTPN1
Other Names:	PTP1B
Background:	Swiss-Prot Acc.P18031.
Immunogen:	A synthetic phosphopeptide corresponding to residues surrounding Ser352 of human PTP1B
UniPort summary Function:	Tyrosine-protein phosphatase which acts as a regulator of endoplasmic reticulum unfolded protein response. Mediates dephosphorylation of EIF2AK3/PERK; inactivating the protein kinase activity of EIF2AK3/PERK. May play an important role in CKII- and p60c-src-induced signal transduction cascades. May regulate the EFNA5-EPHA3 signaling pathway which modulates cell reorganization and cell-cell repulsion. May also regulate the hepatocyte growth factor receptor signaling

	pathway through dephosphorylation of MET.
Gene ID:	5770
Swiss-Prot No.:	P18031
Storage/Stability:	Store at -20°C. Stable for 12 months from date of receipt.
Form of Antibody:	Supplied in 50nM Tris-Glycine(pH 7.4), 0.15M Nacl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Recommended Dilutions:	WB: 1:1000; ICC/IF: 1:50; IP: 1:20
Molecular Weight:	Calculated MW: 50 kDa; Observed MW: 50 kDa