

## Immunotag™ PTP1B Antibody

Antibody Specification	
Catalog No.	ITA1806
Product Description	Immunotag™ PTP1B Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PTP1B
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PTP1B
Specificity	PTP1B Antibody detects endogenous levels of total PTP1B
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PTPN1
Accession No.	P18031
Alternate Names	PTP1B; Non receptor tyrosine phosphatase 1; Protein phosphotyrosylphosphatase 1B; Protein tyrosine phosphatase 1B; Protein tyrosine phosphatase non receptor type 1; Protein tyrosine phosphatase placental; Protein-tyrosine phosphatase 1B; PTN1_HUMAN; PTP 1B; PTP-1B; PTPN 1; PTPN1; Tyrosine protein phosphatase non receptor type 1; Tyrosine-protein phosphatase non-receptor type 1;

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Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	49kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.