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Immunotag™ Phospho-PTP1B (Ser50) Antibody

Antibody Specification

Catalog No.	ITA0976
Product Description	Immunotag™ Phospho-PTP1B (Ser50) 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	Phospho-PTP1B (Ser50)
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 around the phosphorylation site of Serine 50
Specificity	Phospho-PTP1B (Ser50) Antibody detects endogenous levels of PTP1B only when phosphorylated at Serine 50
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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

Antibody Specification

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;
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.