

Immunotag™ PTPN22 Antibody

Antibody Specification	
Catalog No.	ITA6488
Product Description	Immunotag™ PTPN22 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	PTPN22
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 PTPN22
Specificity	PTPN22 Antibody detects endogenous levels of total PTPN22
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	PTPN22
Accession No.	Q9Y2R2

## Antibody Specification

Alternate Names	Hematopoietic cell protein tyrosine phosphatase 70Z PEP; Hematopoietic cell protein-tyrosine phosphatase 70Z-PEP; Lymphoid phosphatase; Lymphoid specific protein tyrosine phosphatase; lymphoid-specific, inducible human protein tyrosine phosphatase; Lyp 1; Lyp 2; LyP; Lyp1; Lyp2; LyPTP; OTTHUMP00000013720; OTTHUMP00000013721; OTTHUMP000000233450; OTTHUMP000000233451; PEP; PEST-domain phosphatase; Protein tyrosine phosphatase non receptor type 22 (lymphoid); Protein tyrosine phosphatase non receptor type 22; Protein tyrosine phosphatase non receptor type 8; Protein tyrosine phosphatase non receptor type 8, formerly; PTN22_HUMAN; PTPN 22; PTPN 8; Ptpn22; PTPN8; PTPN8, formerly; Tyrosine-protein phosphatase non-receptor type 22;
Description	Acts as negative regulator of T-cell receptor (TCR) signaling by direct dephosphorylation of the Src family kinases LCK and FYN, ITAMs of the TCRz/CD3 complex, as well as ZAP70, VAV, VCP and other key signaling molecules (PubMed:16461343, PubMed:18056643). Associates with and probably dephosphorylates CBL. Dephosphorylates LCK at its activating 'Tyr-394' residue (PubMed:21719704). Dephosphorylates ZAP70 at its activating 'Tyr-493' residue (PubMed:16461343). Dephosphorylates the immune system activator SKAP2 (PubMed:21719704). Positively regulates toll-like receptor (TLR)-induced type 1 interferon production (PubMed:23871208). Promotes host antiviral responses mediated by type 1 interferon (By similarity). Regulates NOD2-induced pro-inflammatory cytokine secretion and autophagy (PubMed:23991106).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	92kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.