

PTPN22 Antibody

Catalog No: #35113



Package Size: #35113-1 50ul #35113-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

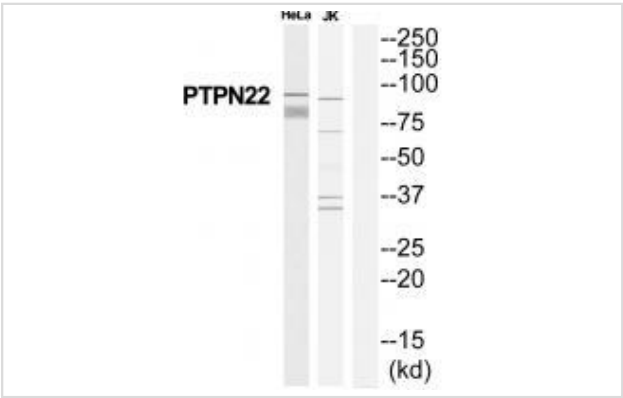
Description

Product Name	PTPN22 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total PTPN22 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human PTPN22.
Target Name	PTPN22
Other Names	Hematopoietic cell protein-tyrosine phosphatase 70Z-PEP; Lymphoid phosphatase; lymphoid-specific protein tyrosine phosphatase; LyP; LYP1
Accession No.	Swiss-Prot: Q9Y2R2NCBI Gene ID: 26191
Uniprot	Q9Y2R2
GeneID	26191;
SDS-PAGE MW	92kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from HeLa/Jurkat cells, using PTPN22 antibody #35113.

Background

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. Associates with and probably dephosphorylates CBL. Dephosphorylates LCK at its activating 'Tyr-394' residue. Dephosphorylates ZAP70 at its activating 'Tyr-493' residue. Dephosphorylates the immune system activator SKAP2.

Cohen S., Blood 93:2013-2024(1999).

Liu T., Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.

Wang S., Submitted (JAN-2010) to the EMBL/GenBank/DDBJ databases.

Note: This product is for in vitro research use only