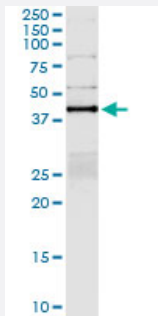


PTPN2 (Human) IP-WB Antibody Pair

Catalog # H00005771-PW2

Size 1 Set

Applications



Immunoprecipitation of PTPN2 transfected lysate using rabbit polyclonal anti-PTPN2 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-PTPN2.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of PTPN2 transfected lysate using rabbit polyclonal anti-PTPN2 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-PTPN2.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-PTPN2 (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-PTPN2 (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — PTPN2

Entrez GeneID [5771](#)

Gene Name PTPN2

Gene Alias PTPT, TC-PTP, TCELLPTP, TCPTP

Gene Description protein tyrosine phosphatase, non-receptor type 2

Omim ID [176887](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Three alternatively spliced variants of this gene, which encode isoforms differing at their extreme C-termini, have been described. The different C-termini are thought to determine the substrate specificity, as well as the cellular localization of the isoforms. Two highly related but distinctly processed pseudogenes that localize to distinct chromosomes have been reported. [provided by RefSeq]

Other Designations T-cell protein tyrosine phosphatase

Disease

- [Addison Disease](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)

- [Genetic Predisposition to Disease](#)
- [Ileal Diseases](#)
- [Inflammatory Bowel Diseases](#)
- [Lupus Erythematosus](#)
- [Prostatic Neoplasms](#)
- [Rectal Fistula](#)
- [Tobacco Use Disorder](#)