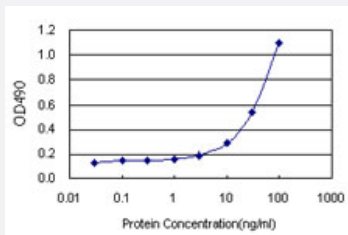


# PTPN2 (Human) Matched Antibody Pair

Catalog # H00005771-AP22

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from 1 ng/ml to 100 ng/ml.

## Specification

<b>Product Description</b>	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human PTPN2.
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Standard curve using recombinant protein ( H00005771-P01 ) as an analyte. Sandwich ELISA detection sensitivity ranging from 1 ng/ml to 100 ng/ml.
<b>Supplied Product</b>	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-PTPN2 (100 ug) 2. Detection antibody: mouse purified polyclonal anti-PTPN2 (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
<b>Storage Instruction</b>	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

- ELISA Pair (Recombinant protein)

[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](#)