

Datasheet for ABIN7451019  
**anti-PTPN2 antibody (AA 1-50)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PTPN2
Binding Specificity:	AA 1-50
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Purpose:	Rabbit anti-PTPN2/TCPTP Antibody, Affinity Purified
Immunogen:	Between AA 1 and 50
Isotype:	IgG
Purification:	Affinity Purified

## Target Details

Target:	PTPN2
Alternative Name:	PTPN2/TCPTP ( <a href="#">PTPN2 Products</a> )
Background:	Background: The gene PTPN2, also known as TCPTP or TCP-TP, encodes for the protein tyrosine phosphatase (PTP) family member, tyrosine-protein phosphatase non-receptor type 2.

## Target Details

PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN2 dephosphorylates both receptor and non-receptor protein tyrosine kinases. PTPN2/TCPTP negatively regulates numerous signaling pathways and biological processes like hematopoiesis, inflammatory response, cell proliferation and differentiation, and glucose homeostasis [taken from NCBI Entrez Gene (Gene ID: 5771) and UniProtKB (Entry: P17706)].

Gene ID: 5771

UniProt: [P17706](#)

Pathways: [EGFR Signaling Pathway](#), [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#), [Platelet-derived growth Factor Receptor Signaling](#)

## Application Details

Application Notes: IP: 2 - 10 µg/mg lysate

WB: 1:500 - 1:2,500

Restrictions: For Research Use only

## Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Expiry Date: 12 months