

## Anti-PTP1B (Ser-50), Phosphospecific Antibody



### Product Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:PP2411)                                                                                                                                                                                                                                                                                                                 |
| Conjugate          | Unconjugated                                                                                                                                                                                                                                                                                                                        |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                 |
| Gene Name          | PTPN1                                                                                                                                                                                                                                                                                                                               |
| Host Species       | Rabbit                                                                                                                                                                                                                                                                                                                              |
| Format             | Antigen Affinity Purified                                                                                                                                                                                                                                                                                                           |
| Physical State     | Liquid                                                                                                                                                                                                                                                                                                                              |
| Buffer             | PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol                                                                                                                                                                                                                                                                          |
| Applications       | ICC, WB                                                                                                                                                                                                                                                                                                                             |
| Dilution Ranges    | WB: 1:1000<br>ICC: 1:100                                                                                                                                                                                                                                                                                                            |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                   |
| Immunogen          | PTP1B (Ser-50) synthetic peptide (coupled to carrier protein) corresponds to amino acids surrounding Ser-50 in human PTP1B. This sequence has significant homology to the conserved site in rat and mouse PTP1B, and has homology to conserved sites in TC-PTP and MPTP, but not other protein tyrosine phosphatase family members. |
| Specificity        | The antibody detects a 50 kDa* doublet corresponding to PTP1B in western blots of calyculin A treated human A431 and Jurkat cells. This reactivity is observed as a weak singlet in control cells and is not observed after lambda phosphatase treatment.                                                                           |
| Molecular Weight   | 50                                                                                                                                                                                                                                                                                                                                  |
| Quality Control    | Western blots performed on each lot.                                                                                                                                                                                                                                                                                                |
| Storage            | Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at                                                                                                                                                                                     |

-20°C.

**UniProt ID** P18031

**Country of Origin** United States

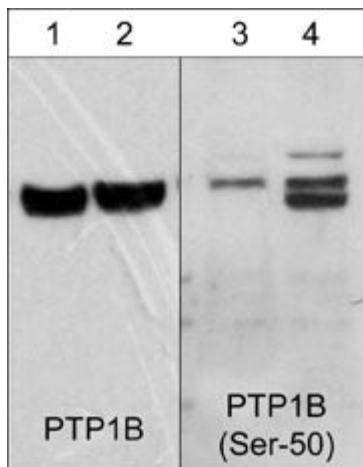
**Shipping** Blue Ice

**Expiration** After date of receipt, stable for at least 1 year at -20°C.

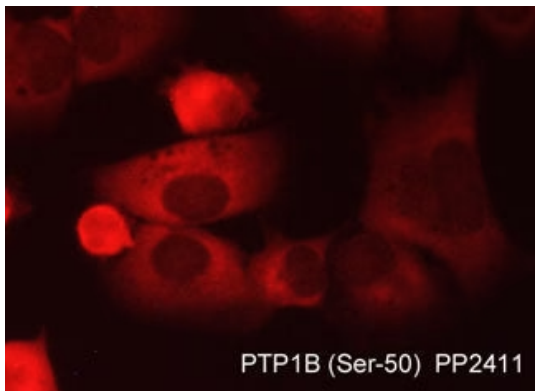
**Usage Statement** For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

**Post Translational Modification Type** Phosphorylated

## Product Images



Western blot image of human Jurkat cells untreated (lanes 1 & 3) or treated (lanes 2 & 4) with calyculin A (100 nM for 30 min.). The blots were probed with mouse monoclonal anti-PTP1B (lanes 1 & 2) or rabbit polyclonal anti-PTP1B (Ser-50) (lanes 3 & 4).



Immunocytochemical labeling of PTP1B in aldehyde-fixed and NP-40 permeabilized human NCI-H1915 lung carcinoma cells. The cells were labeled with rabbit polyclonal anti-PTP1B (Ser-50) (PP2411) phosphospecific antibody. The antibody was detected using appropriate secondary antibody conjugated to DyLight® 594.



Created on 19. July 2026 | All information without guarantee