

## Anti-PTP1B (N-terminal region) Antibody

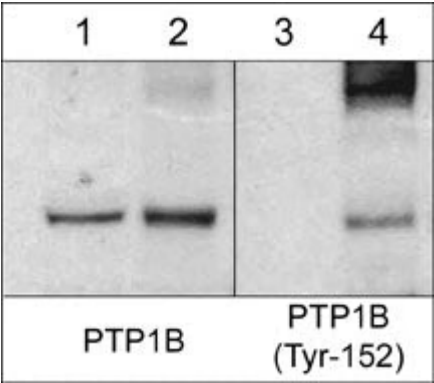


### Product Details

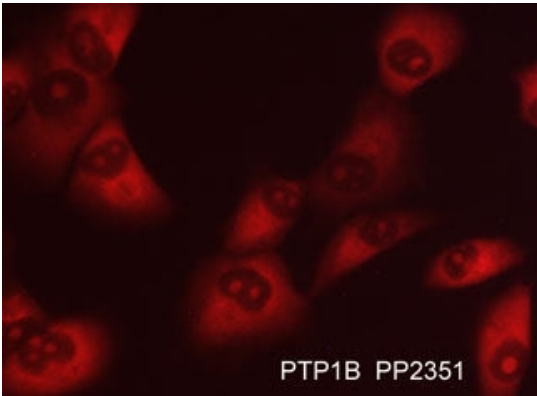
|                    |                                                                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:PP2351)                                                                                                                                                                                                                                                                                             |
| 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       | ELISA, ICC, WB                                                                                                                                                                                                                                                                                                  |
| Dilution Ranges    | WB: 1:1000<br>ICC: 1:100                                                                                                                                                                                                                                                                                        |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                                                                                               |
| Immunogen          | PTP1B synthetic peptide (coupled to carrier protein) corresponds to amino acids from the N-terminal region of human PTP1B. This sequence has significant homology to the conserved site in rat and mouse PTP1B, and has homology to TC-PTP and MPTP, but not other protein tyrosine phosphatase family members. |
| Specificity        | The antibody detects a 50 kDa* band corresponding to PTP1B in western blots of human A431, Jurkat, HeLa, and mouse SYF cells. This reactivity can be specifically blocked using PTP1B (a.a. 146-157) peptide (PX2355).                                                                                          |
| Molecular Weight   | 50                                                                                                                                                                                                                                                                                                              |
| Quality Control    | Western blots performed on each lot.                                                                                                                                                                                                                                                                            |

|                          |                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>           | 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.                 |
| <b>UniProt ID</b>        | <a href="#">P18031</a>                                                                                                                                                 |
| <b>Country of Origin</b> | United States                                                                                                                                                          |
| <b>Shipping</b>          | Blue Ice                                                                                                                                                               |
| <b>Expiration</b>        | After date of receipt, stable for at least 1 year at -20°C.                                                                                                            |
| <b>Usage Statement</b>   | 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. |

Product Images



Western blot image of mouse SYF cSrc-transformed cells untreated (lanes 1 & 3) or treated (lanes 2 & 4) with pervanadate (1 mM for 30 min.). The blots were probed with rabbit polyclonal anti-PTP1B (a.a. 146-157) (lanes 1 & 2) or anti-PTP1B (Tyr-152) (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 (PP2351) antibody. The antibody was detected using appropriate secondary antibody conjugated to DyLight® 594.



Created on 10. September 2026 | All information without guarantee