

## Anti-PTP1B (Tyr-152), Phosphospecific Antibody



### Product Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:PP2391)                                                                                                                                                                                                                                                                                                                                                                           |
| 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, WB                                                                                                                                                                                                                                                                                                                                                                                     |
| Dilution Ranges    | WB: 1:1000                                                                                                                                                                                                                                                                                                                                                                                    |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen          | PTP1B (Tyr-152) synthetic peptide corresponds to amino acids surrounding Tyr-152 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        | This antibody was cross-adsorbed to a phospho-tyrosine peptide then affinity purified with phospho-PTP1B (Tyr-152) peptide. The purified antibody detects a 50 kDa* band corresponding to PTP1B in western blots of pervanadate treated human A431 and Jurkat, as well as mouse SYF cells. This reactivity is not observed in control cells or after alkaline phosphatase treatment of blots. |
| 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

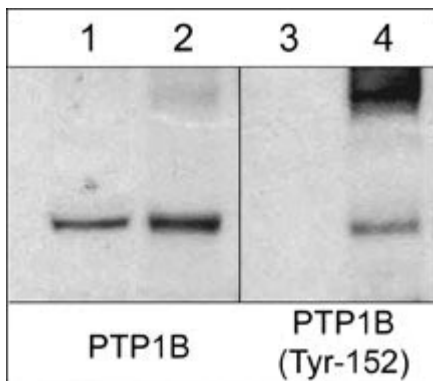
**Expiration** After date of receipt, stable for at least 1 year at -20°C.

**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

**Post Translational Modification Residue** Tyr-152

## 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).

Product Page URL: [www.antibodiesinc.com/products/anti-ptp1b-tyr-152-phosphospecific-antibody-pp2391](http://www.antibodiesinc.com/products/anti-ptp1b-tyr-152-phosphospecific-antibody-pp2391)



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