
PTP-1B Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250841

Unit: 0.1 mg

Description:

Protein-tyrosine phosphatase 1B (PTP-1B), a member of the protein tyrosine phosphatase (PTP) catalyzes the hydrolysis of the phosphate monoesters specifically in tyrosine residues. 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. PTP-1B acts as a negative regulator of insulin signaling by dephosphorylating the phosphotyrosine residues of insulin receptor kinase. PTP-1B dephosphorylates epidermal growth factor kinase as well as JAK2 and TYK2 kinases in cell growth control and cell response to interferon stimulation. PTP-1B plays an important role in CKII- and p60c-src-induced signal transduction cascades.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: PTP-1B; Protein-tyrosine phosphatase non-receptor type 1; Protein-tyrosine phosphatase 1B; PTPN1; PTP1B

Accession No.: P18031

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PTP-1B.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.