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PTPRS Polyclonal Antibody

Cat #: G-AB-12318

Host: Rabbit **Reactivity:** Rat

Isotype: IgG **Clonality:**

Overview:
The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this protein is composed of multiple Ig-like and fibronectin type III-like domains. Studies of the similar gene in mice suggested that this PTP may be involved in cell-cell interaction, primary axonogenesis, and axon guidance during embryogenesis. This PTP has been also implicated in the molecular control of adult nerve repair. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported.

Gene ID: 5802

Accession #:

Immunogen: Recombinant fusion protein of human PTPRS (NP_002841.3).

Conjugation: Unconjugated

Swissprot: Q13332

Calculated Molecular Weight: 168 kDa/171 kDa/212 kDa/214 kDa/215 kDa/217 kDa

Observed Molecular Weight: 220 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3

Purification Method: Affinity purification

Application: WB

Dilution: WB 1:500-1:2000

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