



Anti-PTPRS (internal region) polyclonal antibody (CABT-BL3062)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	This antibody is specific for the Middle Region of the target protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity purified
Conjugate	Unconjugated
Applications	ELISA, WB
Buffer	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Preservative	None
Storage	Store at -20°C. Avoid freeze-thaw cycles.

BACKGROUND

Introduction	<p>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</p>
---------------------	--

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 INFORMATION

Entrez Gene ID	5802
----------------	----------------------

Protein Refseq	NP_002841
----------------	---------------------------

UniProt ID	Q13332
------------	------------------------
