DNAxPAb | Hard-to-Find Antibody

# PTPRS DNAxPab

Catalog # H00005802-W01P Size 200 ug

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against a full-length human PTPRS DNA using DNAx™ Immune te chnology. |
| **Technology** | DNAx™ Immune |
| **Immunogen** | Full-length human DNA |
| **Sequence** | EPPRFIKEPKDQIGVSGGVASFVCQATGDPKPRVTWNKKGKKVNSQRFETIEFDESAGAVLRIQP LRTPRDENVYECVAQNSVGEITVHAKLTVLRGP |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Purification** | Protein A |
| **Quality Control Testing** | Antibody reactive against mammalian transfected lysate. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — PTPRS

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|---|---|
| **Entrez GeneID** | 5802 |
| **GeneBank Accession#** | BC029496 |
| **Protein Accession#** | AAH29496 |
| **Gene Name** | PTPRS |
| **Gene Alias** | PTPSIGMA |
| **Gene Description** | protein tyrosine phosphatase, receptor type, S |
| **Omim ID** | 601576 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | 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 c ell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extra cellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic doma ins, 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 suggest ed that this PTP may be involved in cell-cell interaction, primary axonogenesis, and axon guidanc e during embryogenesis. This PTP has been also implicated in the molecular control of adult nerv e repair. Four alternatively spliced transcript variants, which encode distinct proteins, have been r eported. [provided by RefSeq |
| **Other Designations** | protein tyrosine phosphatase PTPsigma\|protein tyrosine phosphatase, receptor type, sigma |

## Disease

- Cell Transformation
- Colorectal Neoplasms
- Diabetes Mellitus
- Microsatellite Instability