

## Product datasheet for **AP53514PU-N**

### PTPRD (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/100-1/500. Enzyme immunoassay: 1/1000.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the N-terminal region (between 350-379aa) of human PTPRD.
Specificity:	This antibody recognizes PTPRD at N-term.
Formulation:	PBS with 0.09% (W/V) Sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine phosphatase, receptor type D
Database Link:	<a href="#">Entrez Gene 5789 Human P23468</a>



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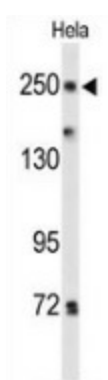
**Background:** PTPRD is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular region, a 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 three Ig-like and eight fibronectin type III-like domains. Studies of the similar genes in chicken and fly suggest the role of this PTP is in promoting neurite growth, and regulating neurons axon guidance.

**Synonyms:** R-PTP-delta, Protein-tyrosine phosphatase delta

**Note:** **Molecular Weight:** 214760 Da

**Protein Families:** Druggable Genome, Phosphatase, Transmembrane

**Product images:**



Western blot analysis of PTPRD (arrow) in HeLa cell line lysates (35ug/lane) using PTPRD antibody. (N-term).