

# PTPRD Rabbit pAb

Catalog No.: A8559

## Basic Information

### Observed MW

252kDa

### Calculated MW

215kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse

## Background

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 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. Multiple alternatively spliced transcript variants of this gene have been reported. A related pseudogene has been identified on chromosome 5.

## Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:100 - 1:200

## Immunogen Information

### Gene ID

5789

### Swiss Prot

P23468

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 475-574 of human PTPRD (NP\_002830.1).

### Synonyms

HPTP; PTPD; HPTPD; HPTPDELTA; RPTPDELTA; R-PTP-delta; PTPRD

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

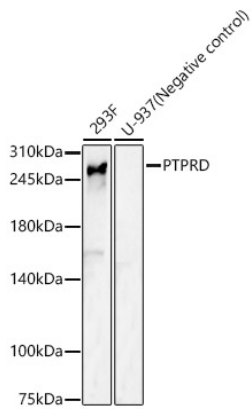
### Storage

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

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

## Validation Data

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Western blot analysis of various lysates, using PTPRD Rabbit pAb (A8559) at 1:500 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.