

Datasheet for ABIN7264609

**anti-PTPRD antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	200 µL
Target:	PTPRD
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRD antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein of human PTPRD (NP_002830.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	PTPRD
Alternative Name:	PTPRD ( <a href="#">PTPRD Products</a> )
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

## Target Details

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.

Molecular Weight:	Observed_MW: 180-215 kDa Calculated_MW: 156 kDa/169 kDa/212 kDa/214 kDa
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Gene ID:	5789
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UniProt:	<a href="#">P23468</a>
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Pathways:	<a href="#">Synaptic Membrane</a>
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## Application Details

Application Notes:	WB 1:500-1:2000
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 mg/mL
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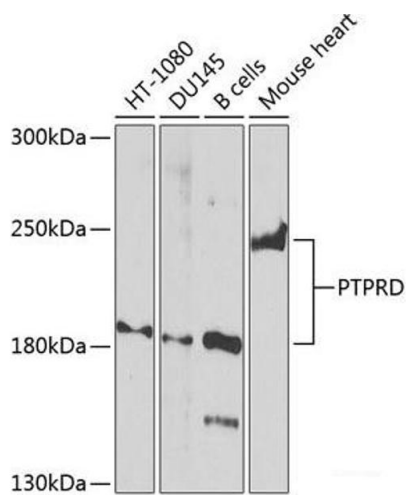
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines using PTPRD Polyclonal Antibody at dilution of 1:1000.