

Datasheet for ABIN5684147
anti-PTPRD antibody (AA 1077-1265)[Go to Product page](#)

4 Images

Overview

Quantity:	0.1 mg
Target:	PTPRD
Binding Specificity:	AA 1077-1265
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human PTPRD (AA: extra 1077-1265) expressed in E. coli.
Clone:	2F9D8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PTPRD
Alternative Name:	PTPRD (PTPRD Products)
Background:	Description: 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.

Target Details

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.

Aliases: HPTP, PTPD, HPTPD, HPTPDELTA, RPTPDELTA

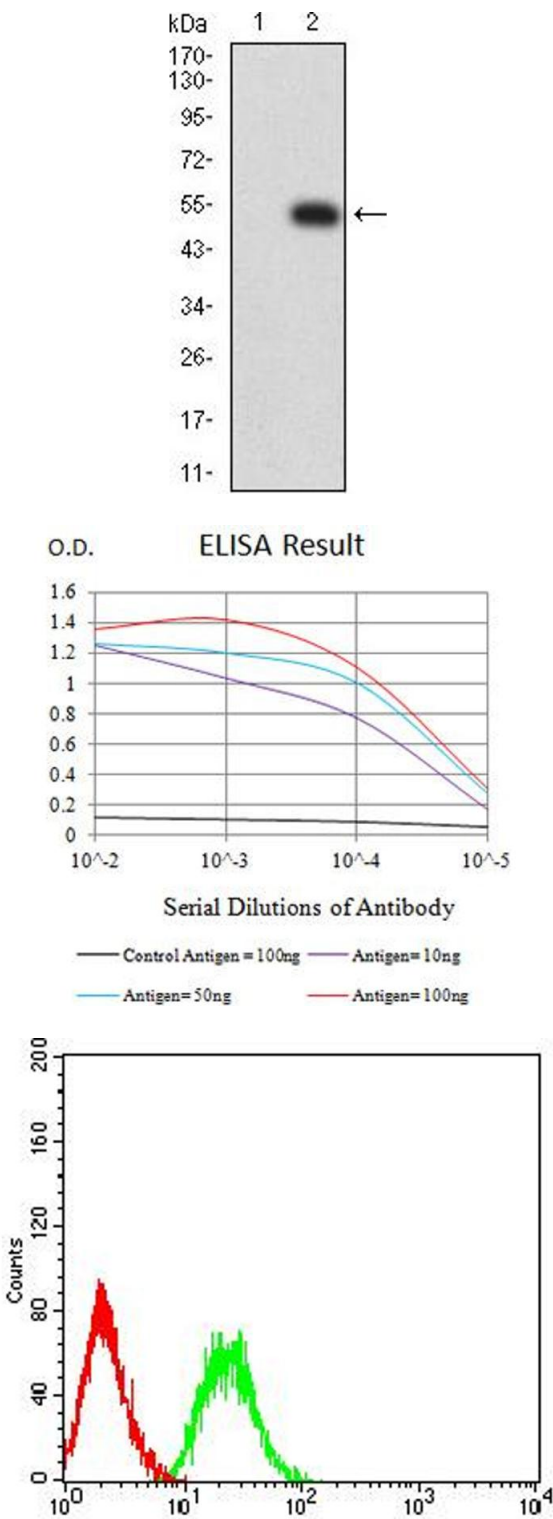
Molecular Weight:	214.8 kDa
Gene ID:	5789
HGNC:	2204
Pathways:	Synaptic Membrane

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



Western Blotting

Image 1. Western blot analysis using PTPRD mAb against HEK293 (1) and PTPRD (AA: extra 1077-1265)-hlgGfc transfected HEK293 (2) cell lysate.

ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Flow Cytometry

Image 3. Flow cytometric analysis of HL-60 cells using PTPRD mouse mAb (green) and negative control (red).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5684147.