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Datasheet for ABIN5684107
anti-PTPRU antibody (AA 579-749)

3 Images

Overview

Quantity:	0.1 mg
Target:	PTPRU
Binding Specificity:	AA 579-749
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human PTPRU (AA: extra 579-749) expressed in E. coli.
Clone:	8H8B2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PTPRU
Alternative Name:	PTPRU (PTPRU 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 possesses an extracellular region, a single transmembrane region, and two tandem intracellular catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP (MAM) domain, Ig-like and fibronectin type III-like repeats. This PTP was thought to play roles in cell-cell recognition and adhesion. Studies of the similar gene in mice suggested the role of this PTP in early neural development. The expression of this gene was reported to be regulated by phorbol myristate acetate (PMA) or calcium ionophore in Jurkat T lymphoma cells. Alternatively spliced transcript variants have been reported.

Aliases: FMI, PTP, PCP-2, PTP-J, PTPRO, PTPU2, PTP-PI, PTP-RO, PTPPSI, hPTP-J, R-PTP-U, R-PTP-PSI

Molecular Weight:	162.4 kDa
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Gene ID:	10076
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HGNC:	8792
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Application Details

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

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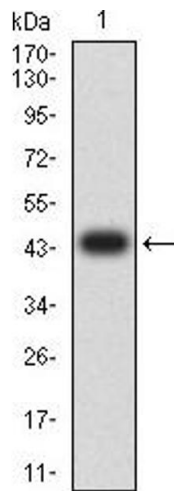
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled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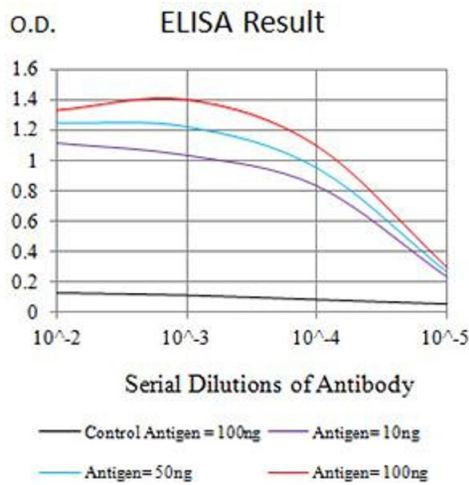
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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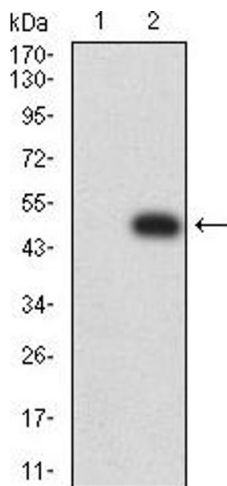
Western Blotting

Image 1. Western blot analysis using PTPRU mAb against human PTPRU (AA: extra 579-749) recombinant protein. (Expected MW is 45 kDa)



ELISA

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



Western Blotting

Image 3. Western blot analysis using PTPRU mAb against HEK293 (1) and PTPRU (AA: extra 579-749)-hlgGfC transfected HEK293 (2) cell lysate.