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Datasheet for ABIN6146476
anti-PTPRU antibody (AA 1184-1433)

1 Image

Overview

Quantity:	100 µL
Target:	PTPRU
Binding Specificity:	AA 1184-1433
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRU antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1184-1433 of human PTPRU (NP_001181930.1).
Sequence:	IALLPRNRDK NRSMDVLPPD RCLPFLISTD GDSNNYINAA LTDSYTRSAA FIVTLHPLQS TTPDFWRLVY DYGCTSIIVML NQLNQSNSAW PCLQYWPEPG RQQYGLMEVE FMSGTAEDDL VARVFRVQNI SRLQEGHLLV RHFQFLRSA YRDTPDSKKA FLHLLAEVDK WQAESGDGRT IVHCLNGGGR SGTFCACATV LEMIRCHNLV DVFFAAKTLR NYKPNMVETM DQYHFCYDVA LEYLEGLESR
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

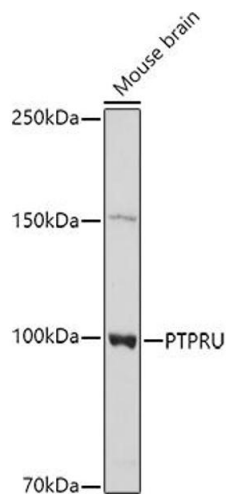
Target:	PTPRU
Alternative Name:	PTPRU (PTPRU Products)
Background:	<p>The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP 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.,PTPRU,FMI,PCP-2,PTP,PTP-J,PTP-PI,PTP-RO,PTPPSI,PTPRO,PTPU2,R-PTP-PSI,R-PTP-U,hPTP-J,Signal Transduction,PTPRU</p>
Molecular Weight:	160 kDa/161 kDa/162 kDa
Gene ID:	10076
UniProt:	Q92729

Application Details

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

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of Mouse brain cells, using PTPRU antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.