

Datasheet for ABIN6146460  
**anti-PTPRE antibody (AA 20-200)**



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3 Images

## Overview

Quantity:	100 µL
Target:	PTPRE
Binding Specificity:	AA 20-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRE antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-200 of human PTPRE (NP_006495.1).
Sequence:	LRGNETTADS NETTTTSGPP DPGASQPLLA WLLLPLLLLL LVLLLAAYFF RFRKQRKAVV STSDKKMPNG ILEEQQQRV MLLSRSPSGP KKYFPIPVEH LEEEIRISA DDCKQFREEF NSLPSGHIQG TFELANKEEN REKNRYPNIL PNDHSRVILS QLDGIPCSY INASYIDGYK E
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	PTPRE
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## Target Details

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Alternative Name: PTPRE ([PTPRE Products](#))

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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. Several alternatively spliced transcript variants of this gene have been reported, at least two of which encode a receptor-type PTP that possesses a short extracellular domain, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, another one encodes a PTP that contains a distinct hydrophilic N-terminus, and thus represents a nonreceptor-type isoform of this PTP. Studies of the similar gene in mice suggested the regulatory roles of this PTP in RAS related signal transduction pathways, cytokine-induced SATA signaling, as well as the activation of voltage-gated K<sup>+</sup> channels.,PTPRE,HPTPE,PTPE,R-PTP-EPSILON,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Bone,PTPRE

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Molecular Weight: 71 kDa/74 kDa/80 kDa

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Gene ID: 5791

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UniProt: [P23469](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

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Comment: HIGH QUALITY

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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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.

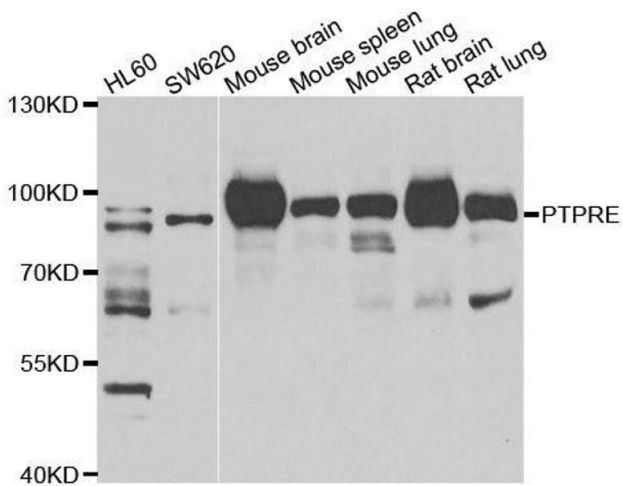
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Storage: -20 °C

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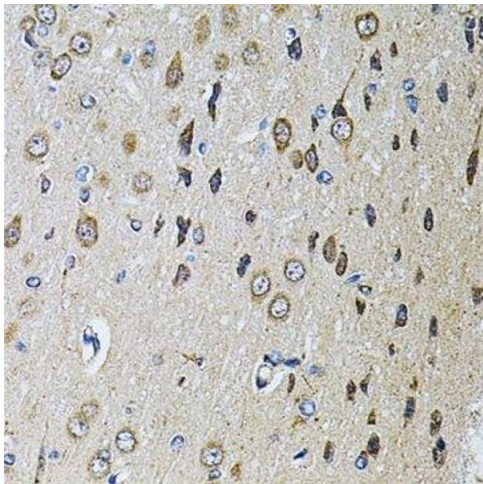
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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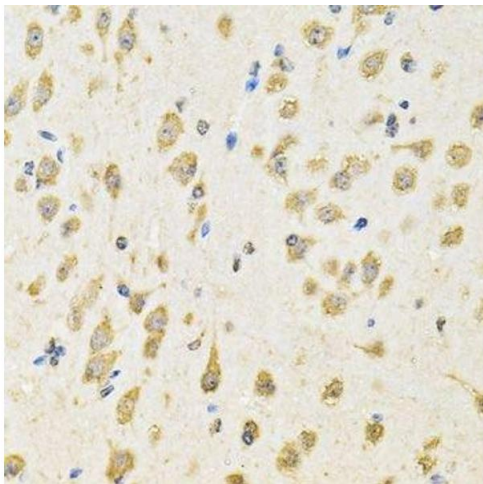
### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PTPRE antibody.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry of paraffin-embedded rat brain using PTPRE antibody.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded mouse brain using PTPRE antibody.