

Datasheet for ABIN392837

**anti-PTPRE antibody (C-Term)****1** Image**1** Publication[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	PTPRE
Binding Specificity:	AA 558-589, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRE antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This PTP epsilon antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 558-589 amino acids from the C-terminal region of human PTP epsilon.
Clone:	RB0551
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	PTPRE
Alternative Name:	PTP epsilon ( <a href="#">PTPRE Products</a> )

## Target Details

Background:	PTPEpsilon 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. Two alternatively spliced transcript variants of the gene have been reported, one of which encodes 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, cytokines induced SATA signaling, as well as the activation of voltage-gated K+ channels.
Molecular Weight:	80642
Gene ID:	5791
NCBI Accession:	<a href="#">NP_006495</a> , <a href="#">NP_569119</a>
UniProt:	<a href="#">P23469</a>

## Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

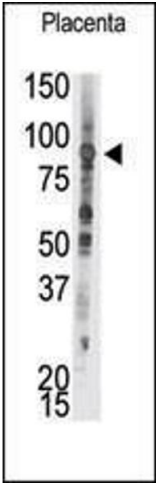
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Publications

Product cited in: Pan, Hsuchou, Cornelissen-Guillaume, Jayaram, Wang, Tu, Halberg, Wu, Chua, Kastin: "Endothelial leptin receptor mutation provides partial resistance to diet-induced obesity." in: **Journal of applied physiology (Bethesda, Md. : 1985)**, Vol. 112, Issue 8, pp. 1410-8, (2012) ([PubMed](#)).

Wang, Yang, Du, Guan, Xu, Xu, Su, Miao: "Involvement of Leptin Receptor (LepRb)-STAT3 Signaling Pathway in Brain FTO Downregulation during Energy Restriction." in: **Molecular medicine (Cambridge, Mass.)**, (2011) ([PubMed](#)).

## Images



Western Blotting

**Image 1.** Abgent invites you to submit your data (IHC, IF, IP, WB, FC) using this product. We will award you credits, 50 % of the cost you paid, for future purchases. For availability of this promotion please contact us at [tech@abgent.com](mailto:tech@abgent.com).