Datasheet for ABIN657234

anti-PTPN2 antibody (C-Term)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	400 µL
Target:	PTPN2
Binding Specificity:	AA 329-358, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PTPN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-358 amino acids from the C-terminal region of human PTPN2.
Clone:	RB33304
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PTPN2
Alternative Name:	PTPN2 (PTPN2 Products)
Background:	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP)

Target Details

	family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Three alternatively spliced variants of this gene, which encode isoforms differing at their extreme C-termini, have been described. The different C-termini are thought to determine the substrate specificity, as well as the cellular localization of the isoforms. Two highly related but distinctly processed pseudogenes that localize to distinct chromosomes have been reported. [provided by RefSeq].
Molecular Weight:	48473
NCBI Accession:	NP_002819, NP_536347, NP_536348
UniProt:	P17706
Pathways:	EGFR Signaling Pathway, Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process, Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
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
Expiry Date:	6 months

Publications

Product cited in:	Gao, Zhang, Yu, Tan, Wang: "Spontaneous nonalcoholic fatty liver disease and ER stress in

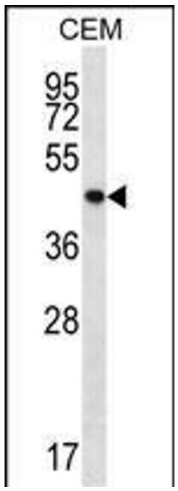
Publications

Sidt2 deficiency mice." in: **Biochemical and biophysical research communications**, Vol. 476, Issue 4, pp. 326-32, (2016) (PubMed).

Images

Immunohistochemistry (Paraffin-embedded Sections)

Image 1. PTPN2 Antibody (C-term) (ABIN657234 and ABIN2846335) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PTPN2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. PTPN2 Antibody (C-term) (ABIN657234 and ABIN2846335) western blot analysis in CEM cell line lysates (35 µg/lane).This demonstrates the PTPN2 antibody detected the PTPN2 protein (arrow).