

Datasheet for ABIN185274

**anti-PTP4A1 antibody (C-Term)**[2 Images](#)[2 Publications](#)[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PTP4A1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PTP4A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

## Product Details

Purpose:	PRL1 / PTP4A1
Immunogen:	Peptide with sequence CFKDSNGHRNN, from the C Terminus of the protein sequence according to NP_003454.1.
Sequence:	CFKDSNGHRN N
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

Target:	PTP4A1
Alternative Name:	PTP4A1 ( <a href="#">PTP4A1 Products</a> )
Background:	PTP4A1, HH72, PRL1, PRL-1, PTPCAAX1, PTP(CAAX1), protein tyrosine phosphatase type IVA, member 1, Protein tyrosine phosphatase IVA1, RP5-1148A21.2, DKFZp779M0721, protein tyrosine phosphatase type IVA protein 1
Gene ID:	7803
NCBI Accession:	<a href="#">NP_003454</a>

## Application Details

Application Notes:	Western Blot: This antibody has been successfully used in Western Blot as descibed in the following papers, PMID: 18997816 and PMID: 36793871. Peptide ELISA: antibody detection limit dilution 1:64000.
Comment:	<b>Immunofluorescence:</b> Strong expression of the protein seen in HeLa and NIH3T3 cells. Recommended concentration: 10µg/ml. <b>Additional validation:</b> This antibody has been successfully used in the following paper: Achiwa H e
Restrictions:	For Research Use only

## Handling

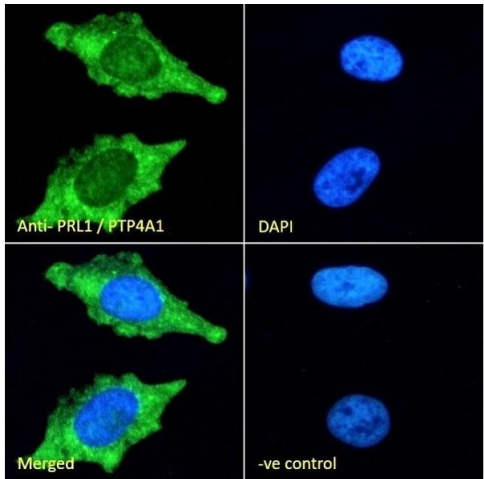
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in: Min, Kim, Heo, Kim, Kim, Kim, Han, Kim, Yoo: "New p53 target, phosphatase of regenerating liver 1 (PRL-1) downregulates p53." in: **Oncogene**, Vol. 28, Issue 4, pp. 545-54, (2009) ([PubMed](#)).

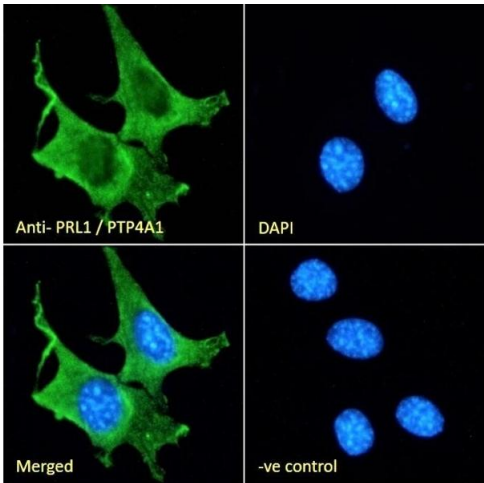
Achiwa, Lazo: "PRL-1 tyrosine phosphatase regulates c-Src levels, adherence, and invasion in human lung cancer cells." in: **Cancer research**, Vol. 67, Issue 2, pp. 643-50, (2007) ([PubMed](#)).

Images



**Immunofluorescence**

**Image 1.** (ABIN185274) Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).



**Immunofluorescence**

**Image 2.** (ABIN185274) Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).