

Datasheet for ABIN392854

anti-PTP4A3 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	PTP4A3
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTP4A3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PRL3 antibody is generated from rabbits immunized with a recombinant protein encoding full length of human PRL3.
Clone:	RB7265
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PTP4A3
Alternative Name:	PRL3 (PTP4A3 Products)
Background:	The protein encoded by this gene belongs to a small class of prenylated protein tyrosine phosphatases (PTPs). PTPs are cell signaling molecules that play regulatory roles in a variety of

Target Details

cellular processes. This class of PTPs contain a PTP domain and a characteristic C-terminal prenylation motif. Studies of this class of PTPs in mice demonstrated that they were prenylated proteins in vivo, which suggested their association with cell plasma membrane. Overexpression of this gene in mammalian cells was reported to inhibit angiotensin-II induced cell calcium mobilization and promote cell growth. Two alternatively spliced variants exist. PRL-3 expression was found to be up-regulated in human liver carcinoma compared with normal liver. Its expression in colorectal cancers may contribute to the establishment of liver metastasis. In a different study, PRL-3 is found to be expressed in tumor metastasis and vasculature, regardless of the tumor source.

Molecular Weight: 19535

Gene ID: 11156

NCBI Accession: [NP_009010](#), [NP_116000](#)

UniProt: [O75365](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

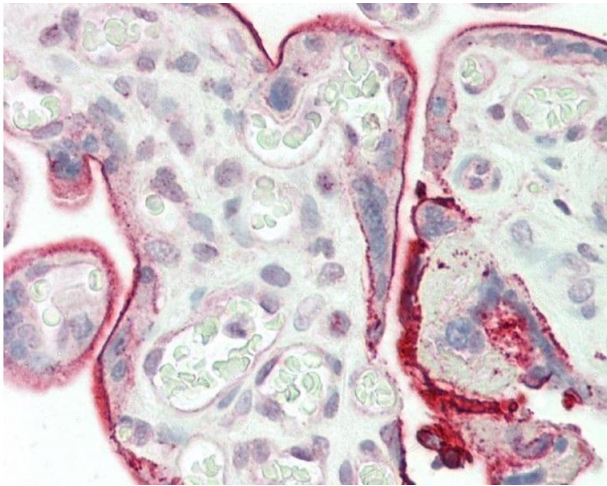
Preservative: Sodium azide

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

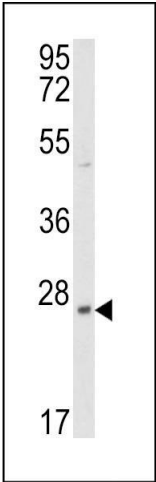
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded H.placenta tissue reacted with PRL3 Antibody (ABIN392854 and ABIN2842272).



Western Blotting

Image 2. Western blot analysis of PRL3 Antibody (ABIN392854 and ABIN2842272) in mouse heart tissue lysates (35 µg/lane). PRL3 (arrow) was detected using the purified Pab.