

Datasheet for ABIN4952318

**anti-PTP4A2 antibody**

## 4 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PTP4A2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTP4A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	Amino acids TTLVRVCDATYDKAPVEKEGIHVLDWPFDD of human PTP4A2 were used as the immunogen for the PTP4A2 antibody.
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	PTP4A2
Alternative Name:	PTP4A2 ( <a href="#">PTP4A2 Products</a> )
Background:	Protein tyrosine phosphatase type IVA 2 is an enzyme that in humans is encoded by the PTP4A2 gene. The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a

## Target Details

variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17.

UniProt: [Q12974](#)

## Application Details

Application Notes: Optimal dilution of the PTP4A2 antibody should be determined by the researcher. Western blot: 0.1-0.5 µg/mL, IHC (Paraffin): 0.5-1 µg/mL, FACS: 1-3 µg/10<sup>6</sup> cells

Restrictions: For Research Use only

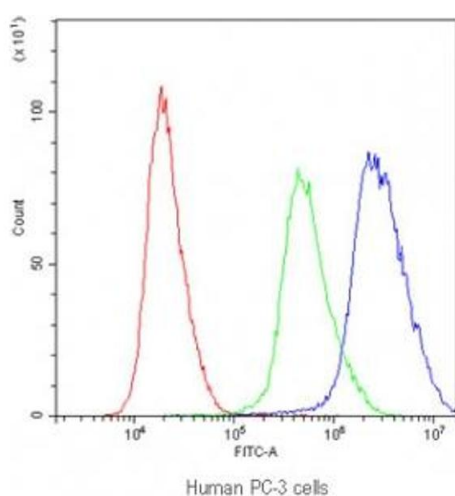
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

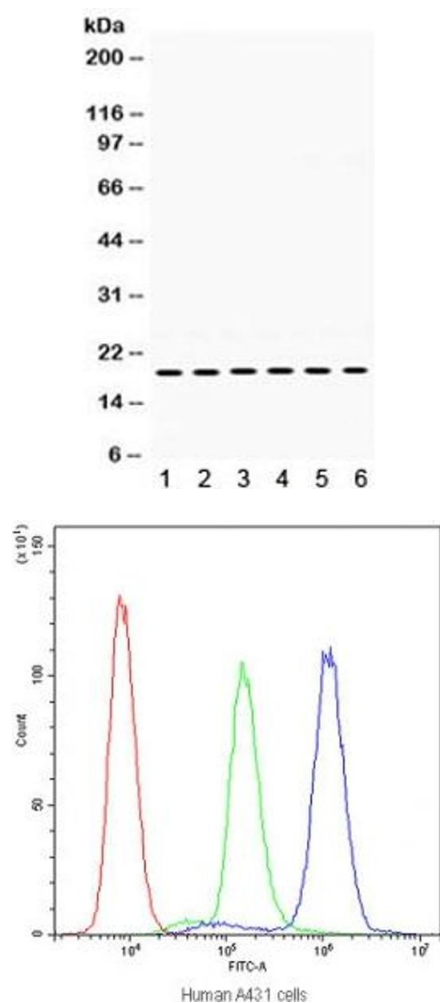
Storage Comment: After reconstitution, the PTP4A2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Flow Cytometry

**Image 1.** Flow cytometry testing of human PC-3 cells with PTP4A2 antibody at 1 µg/10<sup>6</sup> cells (blocked with goat sera)



### Western Blotting

**Image 2.** Western blot testing of 1) rat skeletal muscle, 2) rat thymus, 3) mouse brain, 4) mouse thymus, 5) human 22RV1, and 6) human MCF7 lysate with PTP4A2 antibody. Expected/observed molecular weight ~19 kDa.

### Flow Cytometry

**Image 3.** Flow cytometry testing of human A431 cells with PTP4A2 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN4952318.