

Datasheet for ABIN7269703  
**anti-PTP4A2 antibody (AA 30-100)**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	PTP4A2
Binding Specificity:	AA 30-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTP4A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Purpose:	PTP4A2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 30-100 of human PTP4A2 (NP_536316.1).
Sequence:	FTEELKKYGV TTLVRVCDAT YDKAPVEKEG IHVLDWPFDD GAPPPNQIVD DWLNLLKTKF REEPGCCVAV H
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

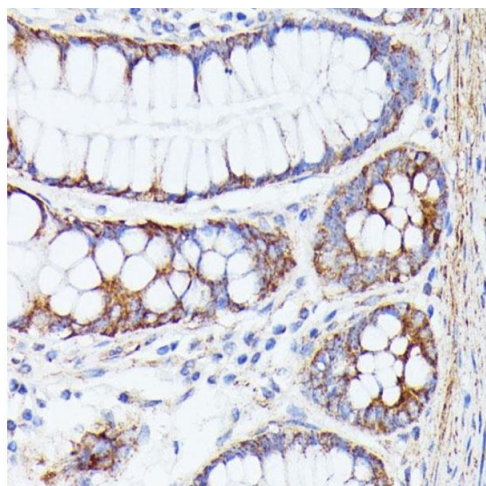
Target:	PTP4A2
Alternative Name:	PTP4A2 ( <a href="#">PTP4A2 Products</a> )
Background:	<p>The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs 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.</p> <p>Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17.,PTP4A2,HH13,HH7-2,HU-PP-1,OV-1,PRL-2,PRL2,PTP4A,PTPCAAX2,ptp-IV1a,ptp-IV1b,Cancer,Signal Transduction,Kinase,Cell Biology &amp; Developmental Biology,Cell Cycle,PTP4A2</p>
Molecular Weight:	9kDa/15kDa/16kDa/19kDa
Gene ID:	8073
UniProt:	<a href="#">Q12974</a>

## Application Details

Application Notes:	WB,1:200 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

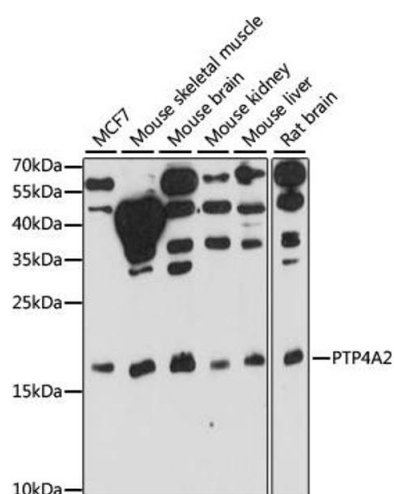
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



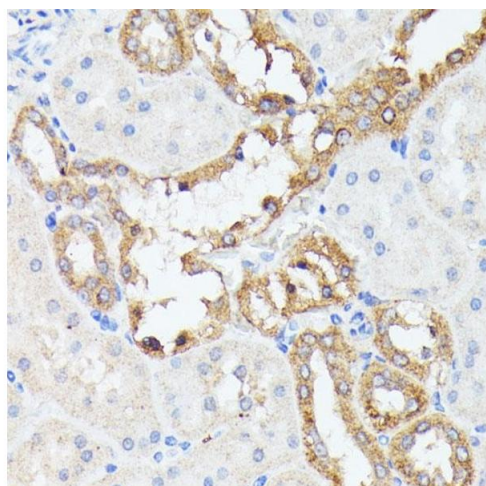
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon using PTP4 antibody (ABIN7269703) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using PTP4 antibody (ABIN7269703) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded rat kidney using PTP4 antibody (ABIN7269703) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7269703.