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Datasheet for ABIN671334  
**anti-PTP4A2 antibody (AA 61-167) (Cy3)**

### Overview

Quantity:	100 µL
Target:	PTP4A2
Binding Specificity:	AA 61-167
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTP4A2 antibody is conjugated to Cy3
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PRL-2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

### Target Details

Target:	PTP4A2
Alternative Name:	PTP4A2 ( <a href="#">PTP4A2 Products</a> )
Background:	Synonyms: Protein tyrosine phosphatase type IV A protein 2, Protein-tyrosinephosphatase 4a2,

## Target Details

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Protein-tyrosine phosphatase of regeneratingliver 2, PTP4A2, PRL-2, PRL2, PRL 2, TP4A2\_HUMAN, BM 008, EC 3.1.3.48, HH 13, HH13, HH7 2, HU PP 1, HUPP 1, HUPP1, OV 1, OV1, phosphatase of regenerating liver 2, Protein tyrosine phosphatase 4a2, protein tyrosine phosphatase IVA, protein tyrosine phosphatase IVA2, Protein tyrosine phosphatase of regenerating liver 2, protein tyrosine phosphatase type IVA 2, Protein tyrosine phosphatase type IVA member 2 isoform 1, protein tyrosine phosphatase type IVA, member 2, PTP CAAXII, ptp IV1a, ptp IV1b, PTP4A, PTPCAAX2.

Background: 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. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17. [provided by RefSeq, Aug 2010]

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Gene ID: 8073

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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## Handling

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months