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Datasheet for ABIN671331
anti-PTP4A2 antibody (AA 61-167)

Overview

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

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 (PTP4A2 Products)

Target Details

Background: Synonyms: Protein tyrosine phosphatase type IV A protein 2, Protein-tyrosinephosphatase 4a2, 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]

Gene ID: 8073

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months