

Rabbit PTP4A1 Polyclonal Antibody | anti-PTP4A1 antibody

PTP4A1 Antibody (C-term)

CATALOG # AAA286257	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Monkey, Rat)	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

PTP4A1; Polyclonal Antibody; PTP4A1 Antibody (C-term); Protein tyrosine phosphatase type IVA 1; PTP(CAAXI); Protein-tyrosine phosphatase 4a1; Protein-tyrosine phosphatase of regenerating liver 1; PRL-1; PRL1; PTPCAAX1; anti-PTP4A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Monkey, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PTP4A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-168 amino acids from the C-terminal region of human PTP4A1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	140-168
Sequence Length	173
Applicable Applications for anti-PTP4A1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of PTP4A1 (arrow) using rabbit polyclonal PTP4A1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PTP4A1 gene.



WB (Western Blot)

PTP4A1 Antibody (C-term) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the PTP4A1 antibody detected the PTP4A1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PTP4A1 antibody	The protein encoded by this gene belongs to a small class of prenylated protein tyrosine phosphatases (PTPs), which contains a PTP domain and a characteristic C-terminal prenylation motif. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. This tyrosine phosphatase is a nuclear protein, but may primarily associate with plasma membrane. The surface membrane association of this protein depends on its C-terminal prenylation. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which implicated its role in the tumorigenesis. Studies in rat suggested that this gene may be an immediate-early gene in mitogen-stimulated cells. [provided by RefSeq].
Product Categories/Family for anti-PTP4A1 antibody	Signal Transduction
References	Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) : Skinner, A.L., et al. Biochemistry 48(20):4262-4272(2009) Luo, Y., et al. Biochemistry 48(8):1838-1846(2009) Min, S.H., et al. Oncogene 28(4):545-554(2009) Liu, Y.Q., et al. Arch. Pathol. Lab. Med. 132(8):1307-1312(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506283
NCBI GeneID	7803
NCBI Accession #	NP_003454.1
NCBI GenBank Nucleotide #	NM_003463.4
UniProt Accession #	Q93096 ; O00648 ; Q49A54 ; B2R6C8
Molecular Weight	19815
NCBI Official Full Name	protein tyrosine phosphatase type IVA 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase type IVA, member 1
NCBI Official Symbol	PTP4A1
NCBI Official Synonym Symbols	HH72; PRL1; PRL-1; PTPCAAX1; PTP(CAAX1)
NCBI Protein Information	protein tyrosine phosphatase type IVA 1
UniProt Protein Name	Protein tyrosine phosphatase type IVA 1
UniProt Gene Name	PTP4A1
UniProt Synonym Gene Names	PRL1; PTPCAAX1; PRL-1
UniProt Entry Name	TP4A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptp4a1-antibody-western-blot-elisa/286257>