

Rabbit PTP4A2 Polyclonal Antibody | anti-PTP4A2 antibody

PTP4A2 Antibody (Center)

CATALOG # AAA285717	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, ELISA, Immunofluorescence
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PRODUCT SYNONYMS

PTP4A2; Polyclonal Antibody; PTP4A2 Antibody (Center); Protein tyrosine phosphatase type IVA 2; HU-PP-1; OV-1; PTP(CAAXII); Protein-tyrosine phosphatase 4a2; Protein-tyrosine phosphatase of regenerating liver 2; PRL-2; PRL2; PTPCAAX2; anti-PTP4A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PTP4A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 32-59 amino acids from the Central region of human PTP4A2.
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	32-59
Sequence Length	142
Applicable Applications for anti-PTP4A2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), ELISA, IF (Immunofluorescence)
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



IF (Immunofluorescence)

Immunofluorescence analysis of PTP4A2 Antibody (Center) with paraffin-embedded human prostate carcinoma tissue. 0.05 mg/ml primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence.Red counterstaining is PI.



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of widr cells using PTP4A2 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human prostate carcinoma with PTP4A2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

PTP4A2 Antibody (Center) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PTP4A2 antibody detected the PTP4A2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PTP4A2 antibody	PTP4A2 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.
Product Categories/Family for anti-PTP4A2 antibody	Cancer; Cell Biology; Signal transduction
References	Ewing,R.M., et.al., Mol. Syst. Biol. 3, 89 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	304361762
NCBI GeneID	8073
NCBI Accession #	NP_001182029.1; NP_001182030.1; NP_536316.1
NCBI GenBank Nucleotide #	NM_001195100.1
UniProt Accession #	Q12974; O00649; Q15197; Q15259; Q15260; Q15261; A8K9I8; B4DM39; D3DPP0; E9PGJ6; R4GN50
Molecular Weight	19127
NCBI Official Full Name	protein tyrosine phosphatase type IVA 2 isoform 3
NCBI Official Synonym Full Names	protein tyrosine phosphatase type IVA, member 2
NCBI Official Symbol	PTP4A2
NCBI Official Synonym Symbols	HH13; OV-1; PRL2; HH7-2; PRL-2; PTP4A; HU-PP-1; PTPCAAX2; ptp-IV1a; ptp-IV1b
NCBI Protein Information	protein tyrosine phosphatase type IVA 2
UniProt Protein Name	Protein tyrosine phosphatase type IVA 2
UniProt Gene Name	PTP4A2
UniProt Synonym Gene Names	PRL2; PTPCAAX2; PRL-2
UniProt Entry Name	TP4A2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptp4a2-antibody-flow-cytometry-immunohistochemistry-western-blot-immunofluorescence-elisa/285717>