

Rabbit PTP4A1/PRL1 Polyclonal Antibody | anti-PTP4A1 antibody

PTP4A1/PRL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323281	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

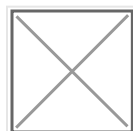
PRODUCT SYNONYMS

PTP4A1/PRL1; Polyclonal Antibody; PTP4A1/PRL1 Antibody; HH 72; HH72; Hypothetical protein DKFZp779M0721; Phosphatase of regenerating liver 1; PRL 1; PRL-1; PRL1; Protein tyrosine phosphatase PTPCAAX1; Protein tyrosine phosphatase type IVA 1; Protein tyrosine phosphatase type IVA member 1; Protein-tyrosine phosphatase 4a1; Protein-tyrosine phosphatase of regenerating liver 1; Protein-tyrosine phosphatase; type 4A; 1; PTP(CAAXI); Ptp4a1; PTPCAAX1; TP4A1_HUMAN; anti-PTP4A1 antibody

PRODUCT SPECIFICATIONS

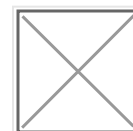
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PTP4A1/PRL1 antibody detects endogenous levels of PTP4A1/PRL1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	173
Applicable Applications for anti-PTP4A1 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PTP4A1/PRL1, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323281 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA323281 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from B16F10 cells, using PTP4A1/PRL1 Antibody. The lane on the left was treated with blocking peptide.

**WB (Western Blot)**

Western blot analysis of extracts of MCF7 cells, using PTP4A1/PRL1 antibody.

**IHC (Immunohistochemistry)**

AAA323281 at 1/100 staining Human lymph tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION**Related Product Information for anti-PTP4A1 antibody**

Function: Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. May play a role in the development and maintenance of differentiating epithelial tissues. Enhances cell proliferation, cell motility and invasive activity, and promotes cancer metastasis.

Similarity: Belongs to the protein-tyrosine phosphatase family.

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	22 kDa
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

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-prl1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/323281>