

## Rabbit PTP4A1 Polyclonal Antibody | anti-PTP4A1 antibody

PTP4A1 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA309162</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

PTP4A1; Polyclonal Antibody; PTP4A1 Antibody; HH72; PRL1; PRL-1; PTPCAAX1; PTP(CAAX1); anti-PTP4A1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------|
| Host                                             | Rabbit                                                          |
| Reactivity                                       | Human, Mouse, Rat                                               |
| Clonality                                        | Polyclonal                                                      |
| Specificity                                      | The antibody detects endogenous levels of total PTP4A1 protein. |
| Purity/Purification                              | Antigen affinity purification                                   |
| Form/Format                                      | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol. |
| Concentration                                    | 1mg/ml (varies by lot)                                          |
| Sequence Length                                  | 173                                                             |
| Applicable Applications for anti-PTP4A1 antibody | WB (Western Blot), IHC (Immunohistochemistry)                   |
| Immunogen                                        | Fusion protein of human PTP4A1                                  |
| Immunogen Type                                   | Protein                                                         |
| Preparation and Storage                          | Store at -20 degree C                                           |

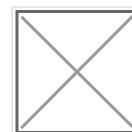
### IMAGES



#### IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PTP4A1 Antibody at dilution 1/40, on the right is treated with fusion protein.

(Original magnification: x200)



#### SDS-PAGE

Gel: 12%SDS-PAGE Lysate: 40 ug, Lane: HEPG2 cell lysate, Primary antibody:PTP4A1 antibody at dilution 1/400, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 2 minutes

### ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PTP4A1 antibody | This gene encodes a member of a small class of prenylated protein tyrosine phosphatases (PTPs), which contain a PTP domain and a characteristic C-terminal prenylation motif. The encoded protein is a cell signaling molecule that plays regulatory roles in a variety of cellular processes, including cell proliferation and migration. The protein may also be involved in cancer development and metastasis. This tyrosine phosphatase is a nuclear protein, but may associate with plasma membrane by means of its prenylation motif. Pseudogenes related to this gene are located on chromosomes 1, 2, 5, 7, 11 and X. |
| Product Categories/Family for anti-PTP4A1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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                 | 19,815 Da                                       |
| 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                | <b>PTP4A1</b>                                   |
| 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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