

DNAxPAb

Hard-to-Find  
Antibody

## PTP4A1 DNAxPab

Catalog # H00007803-W01P

Size 200 ug

### Specification

|                         |  |
|-------------------------|--|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human PTP4A1 DNA using DNAx™ Immune technology.  |
| Technology              | <a href="#">DNAx™ Immune</a>   |
| Immunogen               | Full-length human DNA  |
| Sequence                | MARMNRPAPVEVTYKNMRLITHNPTNATLNKFIEELKKYGVTIVRVCEATYDTTLVEKEGIHVLD<br>WPFDDGAPPSNQVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLVALALIEGGMKYEDAVQF<br>IRQKRRGAFNSKQLLYLEKYRPKMRLRFKDSNGHRNNCCIQ |
| Host                    | Rabbit   |
| Reactivity              | Human  |
| Purification            | Protein A  |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.  |
| Storage Buffer          | In 1x PBS, pH 7.4  |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — PTP4A1

Entrez GeneID [7803](#)

GeneBank Accession# [NM\\_003463.3](#)

Protein Accession# [NP\\_003454.1](#)

Gene Name PTP4A1

Gene Alias DKFZp779M0721, HH72, PRL-1, PRL1, PTP(CAAX1), PTPCAAX1

Gene Description protein tyrosine phosphatase type IVA, member 1

Omim ID [601585](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** OTTHUMP00000016675|Protein tyrosine phosphatase IVA1|protein tyrosine phosphatase type IVA protein 1

## Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Ovarian Neoplasms](#)