

## Product datasheet for **TA324078**

### PTP4A2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1000-2000, WB: 1:200-1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 2-164 amino acids of human protein tyrosine phosphatase type IVA, member 2
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	19 kDa
Gene Name:	protein tyrosine phosphatase type IVA, member 2
Database Link:	<a href="#">NP_001182029</a> <a href="#">Entrez Gene 19244 Mouse</a> <a href="#">Entrez Gene 85237 Rat</a> <a href="#">Entrez Gene 8073 Human</a> <a href="#">Q12974</a>



[View online »](#)

**Background:**

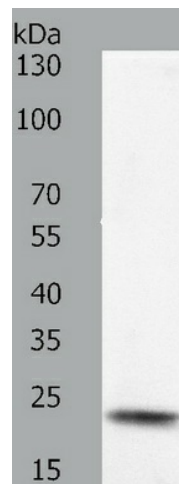
The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic 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. Overexpression of this gene in mammalian cells conferred a transformed phenotype; which suggested its role in tumorigenesis. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11; 12 and 17.?

**Synonyms:**

HH7-2; HH13; HU-PP-1; OV-1; PRL-2; PRL2; ptp-IV1a; ptp-IV1b; PTP4A; PTPCAAX2

**Protein Families:**

Druggable Genome, Phosphatase

**Product images:**

Predicted band size: 19 kDa. Positive control: Jurkat cell lysate. Recommended dilution: 1/200-1000. (Gel: 10%SDS-PAGE Lysate: 50 ug per lane Primary antibody: 1/300 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 30 seconds)