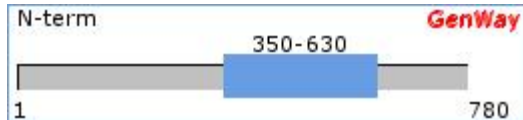


# Tyrosine-protein phosphatase non-receptor type 12, Antibody

EC 3.1.3.48, Protein-tyrosine phosphatase G1, PTPG1



<b>Catalog Number:</b> 15-288-21496A	
SwissProt Accession #: Q05209	PTN12_HUMAN
NCBI Accession #: NP_002826.1	GI #: 4506287
Immunogen Sequence Position: 350-630	Length (aa): 780
Mol. Weight (Da): 88120	



Linear Protein Map with Immunogenic Epitope Marked (sequence source from above GI#)

**Source:** Chicken

**Purity:** Immunoaffinity Purified

**Clonality:** Polyclonal

**Crossreactivity:** Human

**Format:** Phosphate-Buffered Saline. No preservatives added.

**Storage:** 4°C for short term (weeks) and -20°C for long term. Avoid frequent freeze and thaw.

**Stability:** 6-12 months at -20°C.

**Shipping:** Products may be shipped on ice pack.

**Precautions:** This product is for *in vitro* research use only. Not for use in diagnostic or therapeutic procedures.

**Important Notes:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

APPLICATIONS:	
Western Blot	Tested
ELISA, ICC, IHC	Not Tested

**TESTING:** (secondary reagents and protocols)

Not Available

## TARGET DESCRIPTION:

**DISEASE:** Defects in PTPN12 are found in some colon cancers.

**CATALYTIC ACTIVITY:** Protein tyrosine phosphate + H<sub>2</sub>O = protein tyrosine + phosphate.

**SUBUNIT:** Interacts with PSTPIP1.

**SIMILARITY:** Contains 1 tyrosine-protein phosphatase domain.

**SUBCELLULAR LOCATION:** Cytoplasm.

OMIM: 600079; gene. [NCBI / EBI]

## BACKGROUND REFERENCES:

- [1] Takekawa M, Itoh F, Hinoda Y, Adachi M, Ariyama T, Inazawa J, Imai [Chromosomal localization of the protein ...](#)
- [2] Yang Q, Co D, Sommercorn J and Tonks NK. [Cloning and expression of PTP-PEST. A no...](#)
- [3] Takekawa M, Itoh F, Hinoda Y, Arimura Y, Toyota M, Sekiya M, Adachi [Cloning and characterization of a human ...](#)
- [4] Takekawa, M., et al. Cloning and characterization of a human ...

Copyright: This GenWay TDS is copyrighted. It is produced based partially on data from [Swiss-Prot/TrEMBL](#) and [NCBI](#).

Disclaimer: For documents and software available from this server, GenWay neither warrants nor assumes any legal liability or responsibility for the accuracy, completeness or utility of any information, product or process disclosed.