

## Product datasheet for **AP01499PU-N**

### PPP1R3C Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of PTG protein. (region surrounding Lys75)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~36 kDa
Gene Name:	protein phosphatase 1 regulatory subunit 3C
Database Link:	<a href="#">Entrez Gene 5507 Human</a> <a href="#">Q9UQK1</a>



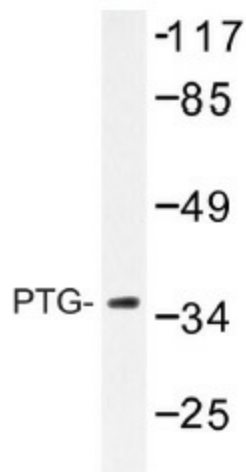
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**Background:**

Protein phosphatase 1 (PP1) is a serine-threonine protein phosphatase that plays a central role in mediating the effects of insulin on glucose and lipid metabolism. PTG (protein targeting to glycogen) was cloned from 3T3-L1 adipocytes as a protein that binds to the PP1 catalytic subunit. The human homolog of PTG, designated PPP1R5, has been shown to bind to PP1 and to modulate its specificity. PTEN/PPP1R5 shows 42% identity to the glycogen binding subunit, G(L), of rat liver PP1. PTG is expressed predominantly in insulin-sensitive tissues, and it localizes PP1 to glycogen. PTG also has been shown to interact with several enzymes involved in the hormonal regulation of glycogen metabolism, including phosphorylase kinase, phosphorylase A and glycogen synthase. These data indicate a role for PTG in glycogen metabolism, possibly that of a molecular scaffold.

**Synonyms:**

PPP1R5

**Product images:**

Western blot (WB) analysis of PTG antibody (Cat.-No.: AP01499PU-N) in extracts from HepG2 cells.