

Anti-PTG antibody



Description	Rabbit polyclonal to PTG.
Model	STJ95260
Host	Rabbit
Reactivity	Human, Simian
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human PTG
Immunogen Region	20-100 aa, Internal
Gene ID	5507
Gene Symbol	PPP1R3C
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	PTG Polyclonal Antibody detects endogenous levels of PTG protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Protein phosphatase 1 regulatory subunit 3C Protein phosphatase 1 regulatory subunit 5 PP1 subunit R5 Protein targeting to glycogen PTG
Molecular Weight	36 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9293OMIM:602999
Alternative Names	Protein phosphatase 1 regulatory subunit 3C Protein phosphatase 1 regulatory subunit 5 PP1 subunit R5 Protein targeting to glycogen PTG
Function	Acts as a glycogen-targeting subunit for PP1 and regulates its activity. Activates glycogen synthase, reduces glycogen phosphorylase activity and limits glycogen breakdown. Dramatically increases basal and insulin-stimulated glycogen synthesis upon overexpression in a variety of cell types.
Sequence and Domain Family	The N-terminal region is required for binding to PP1, the central region is required for binding to glycogen and the C-terminal region is required for binding to glycogen phosphorylase, glycogen synthase and phosphorylase kinase.
Post-translational Modifications	Ubiquitinated by NHLRC1/malin in a EPM2A/laforin-dependent manner.