Product Name: **Phospho-Glycogen Synthase (Ser641) Rabbit Polyclonal Antibody**
Catalog #: **APRab00683**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,IP
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 84 kDa; Observed MW: 84 kDa

Antigen Information

Gene Name	GYS1
Alternative Names	GYS1; GYS; Glycogen [starch] synthase; muscle
Gene ID	2997
SwissProt ID	P13807
Immunogen	A synthetic Phosphorylated peptide corresponding to residues target protein

Background

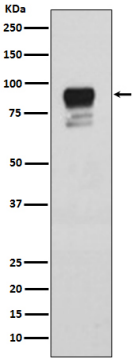
Transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan. Allosteric activation by glucose-6-phosphate. Phosphorylation reduces the activity towards UDP-glucose. When in the non-phosphorylated state, glycogen

synthase does not require glucose-6-phosphate as an allosteric activator; when phosphorylated it does.

Research Area

Signal Transduction

Image Data



Western blot analysis of Phospho-Glycogen synthase 1 (S641) in HeLa lysates using Phospho-Glycogen Synthase (Ser641) antibody.