Product Name: Phospho-Glycogen Synthase (Ser641) Rabbit Polyclonal Antibody
Catalog #: APRab00683

Summary

Production Name	Phospho-Glycogen Synthase (Ser641) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF,IP
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Immunogen

Gene Name	GYS1
Alternative Names	GYS1; GYS; Glycogen [starch] synthase; muscle
Gene ID	2997
SwissProt ID	P13807

Application

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

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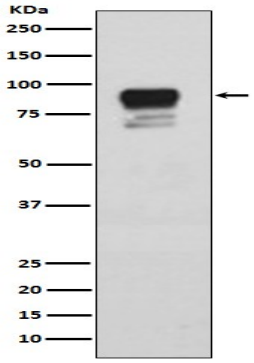
Background

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.

Note

For research use only.