

Product Name: Glycogen Synthase 1 Rabbit Monoclonal Antibody
Catalog #: AMRe85622

Summary

Production Name	Glycogen Synthase 1 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IP,IHC,ICC
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	Glycogen Synthase 1
Alternative Names	GYS1; GYS; Glycogen [starch] synthase; muscle
Gene ID	2997.0
SwissProt ID	P13807. A synthetic peptide of human Glycogen synthase 1

Application

Dilution Ratio	WB:1:500-1:1000,IP:1:10-1:20,IHC:1:50-1:100,ICC:1:50-1:200
Molecular Weight	Calculated MW: 84 kDa; Observed MW: 84 kDa

Background

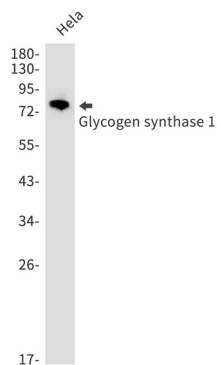
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Transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan. Allosteric activation by glucose-6-phosphate. Phosphorylation reduces the activity towards UDP-glucose. When in the non-phosphorylated state, glycogen synthase does not require glucose-6-phosphate as an allosteric activator; when phosphorylated it does.

Research Area

PI3K-Akt signaling pathway

Image Data



Western blot analysis of Glycogen synthase 1 in HeLa lysates using Glycogen Synthase 1 antibody.

Note

For research use only.