

Product Name: KD-Validated GYS1 Rabbit Polyclonal Antibody**Catalog #: KVA00476**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500
Molecular Weight	Calculated MW: 83.8kDa

Antigen Information

Gene Name	GYS1
Alternative Names	GYS1; Glycogen Synthase 1; GSY; GYS; Glycogen [Starch] Synthase, Muscle; Glycogen Synthase 1 (Muscle); EC 2.4.1.11
Gene ID	2997.0
SwissProt ID	P13807
Immunogen	A synthesized peptide derived from human GYS1

Background

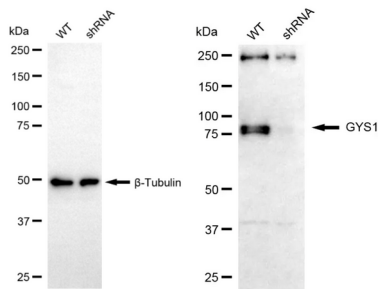
The protein encoded by this gene catalyzes the addition of glucose monomers to the growing glycogen molecule through the formation of alpha-1,4-glycoside linkages. Mutations in this gene are associated with muscle glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep

2009]

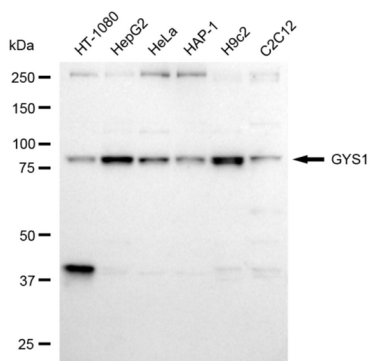
Research Area

Signal Transduction, Cardiovascular, Metabolism

Image Data



Western blotting analysis using GYS1 antibody (KVA00476). GYS1 expression in wild-type (WT) and GYS1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with GYS1 antibody (KVA00476, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using GYS1 antibody (KVA00476). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GYS1 antibody (KVA00476, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.