

Datasheet for ABIN7267465

anti-Glycogen Synthase 1 antibody (pSer641)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Glycogen Synthase 1 (GYS1)
Binding Specificity:	pSer641
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Glycogen Synthase 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-GYS1-S641 Rabbit mAb
Immunogen:	A phospho specific peptide corresponding to residues surrounding S641 of human Glycogen synthase 1 (GYS1)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	Glycogen Synthase 1 (GYS1)
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Target Details

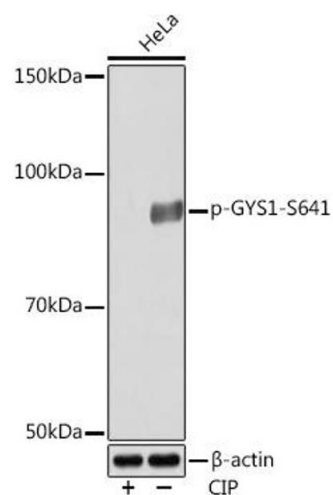
Alternative Name:	GYS1 (GYS1 Products)
Background:	<p>The protein encoded by this gene catalyzes the addition of glucose monomers to the growing glycogen molecule through the formation of alpha-1,4-glycoside linkages. Mutations in this gene are associated with muscle glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009],GSY, GYS,AMPK Signaling Pathway,Cancer,Carbohydrate metabolism,Cardiovascular,Cardiovascular diseases,Cardiovascular diseases_Heart disease,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton_Actins,Endocrine & Metabolism,Endocrine and metabolic diseases,Endocrine and metabolic diseases_Diabetes,Endocrine and metabolic diseases_Obesity,Heart,Insulin Receptor Signaling Pathway,PI3K-Akt Signaling Pathway,Protein phosphorylation,Signal Transduction,GYS1</p>
Molecular Weight:	85kDa
Gene ID:	2997
UniProt:	P13807
Pathways:	PI3K-Akt Signaling , AMPK Signaling , Cellular Glucan Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Phospho-GYS1-S641 Rabbit mAb (ABIN7270761) at 1:1000 dilution. HeLa cells were treated by CIP (20uL/400 μL) at 37 °C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.