

# Glycogen Synthase 1 (phospho Ser645) Polyclonal Antibody

Catalog No: #13835

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Package Size: #13835-1 50ul #13835-2 100ul

## Description

Product Name	Glycogen Synthase 1 (phospho Ser645) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Glycogen Synthase 1 (S645) Polyclonal Antibody detects endogenous levels of Glycogen Synthase 1 protein only when phosphorylated at S645.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Glycogen Synthase around the phosphorylation site of Ser645. AA range:611-660
Other Names	GYS1; GYS; Glycogen [starch] synthase; muscle
Accession No.	Swiss Prot:P13807GenelD:2997
Uniprot	P13807
GenelD	2997
SDS-PAGE MW	83
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

## Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

## Background

glycogen synthase 1(GYS1) Homo sapiens 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].

Note: This product is for in vitro research use only