

**Glycogen Synthase 1 (phospho Ser641) rabbit pAb****Cat#: orb768576 (Manual)**

For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Glycogen Synthase 1 (phospho Ser641) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized phospho-peptide around the phosphorylation site of human Glycogen Synthase 1 (phospho Ser641)
<b>Specificity</b>	Phospho-Glycogen Synthase 1 (S641) Polyclonal Antibody detects endogenous levels of Glycogen Synthase 1 protein only when phosphorylated at S641.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Glycogen [starch] synthase muscle
<b>Gene Name</b>	GYS1
<b>Cellular localization</b>	cytosol,membrane,inclusion body,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	84kD
<b>Human Gene ID</b>	2997
<b>Human Swiss-Prot Number</b>	P13807
<b>Alternative Names</b>	GYS1; GYS; Glycogen [starch] synthase; muscle

**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],