10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Glycogen synthase Antibody
Rabbit mAb
Catalog # AP90789

Specification

Glycogen synthase Antibody - Product Information

Application	**WB, IHC, FC, ICC, IP**
Primary Accession	P13807
Reactivity	**Rat**
Clonality	**Monoclonal**

Other Names
Glycogen [starch] synthase; Glycogen synthase 1 (muscle); Glycogen synthase 1; GSY; GYS; Gys1; muscle;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**83786 Da**

Glycogen synthase Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500** **FC~~1:10~50** **ICC~~N/A** **IP~~N/A**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Glycogen synthase**
Description	**Glycogen synthase is a key enzyme in the regulation of glycogen synthesis. Transfers glucosyl residue from UDP-glucose to glycogen. Regulated allosterically by glucose-6-phosphate, and by PKA-mediated phosphorylation.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Glycogen synthase Antibody - Protein Information

Name GYS1 (HGNC:4706)

Synonyms GYS

Function
Glycogen synthase participates in the glycogen biosynthetic process along with glycogenin and glycogen branching enzyme. Extends the primer composed of a few glucose units formed by

glycogenin by adding new glucose units to it. In this context, glycogen synthase transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan.

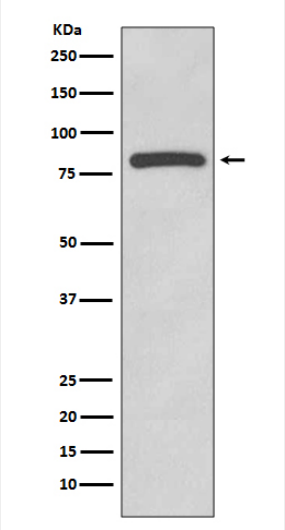
Tissue Location
Expressed in skeletal muscle and most other cell types where glycogen is present.

Glycogen synthase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Glycogen synthase Antibody - Images



Western blot analysis of Glycogen synthase expression in HeLa cell lysate.