

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

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 glucosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan.

Tissue Location

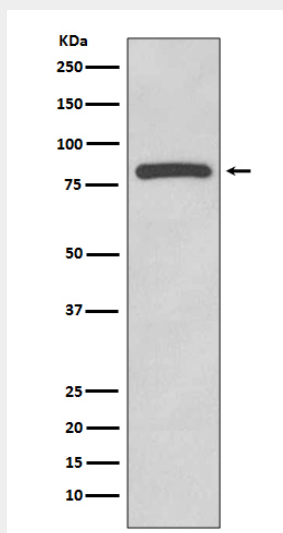
Expressed in skeletal muscle and most other cell types where glycogen is present.

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 Cytometry](#)
- [Cell Culture](#)

Glycogen synthase Antibody - Images



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