

## PHOSPHO-GLYCOGEN SYNTHASE (SER641) RABBIT MAB

**Cat.#:** N262290

**Product Name:** Anti-Phospho-Glycogen synthase (Ser641) Rabbit Monoclonal Antibody

**Synonyms:** GYS1; GYS; Glycogen [starch] synthase; muscle

**UNIPROT ID:** P13807

**Background:** Transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan. Allosteric activation by glucose-6-phosphate. Phosphorylation reduces the activity towards UDP-glucose. When in the non-phosphorylated state, glycogen synthase does not require glucose-6-phosphate as an allosteric activator; when phosphorylated it does.

**Immunogen:** A synthetic phosphopeptide corresponding to residues surrounding Ser641 of human Glycogen synthase 1/GYS1

**Applications:** WB,IHC-P,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R03-3A1

**MW:** Calculated MW: 84 kDa; Observed MW: 84 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Mouse,Rat

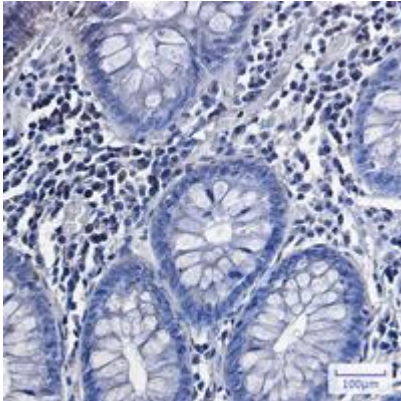
**Conjugation:** Unconjugated

**Modification:** Phosphorylated

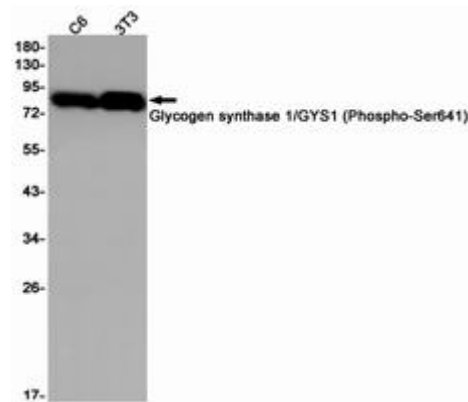
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Phospho-Glycogen synthase (Ser641) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Glycogen synthase 1/GYS1 (Phospho-Ser641) in C6, 3T3 lysates using Phospho-Glycogen synthase (Ser641) antibody.