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Anti-GYS1 (pS645) Antibody

Rabbit polyclonal antibody to GYS1 (pS645)
Catalog # AP60303

Product Information

Application	WB, IHC
Primary Accession	P13807
Other Accession	Q9Z1E4
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83786

Additional Information

Gene ID	2997
Other Names	GYS; Glycogen [starch] synthase, muscle
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GYS1 (pS645). The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

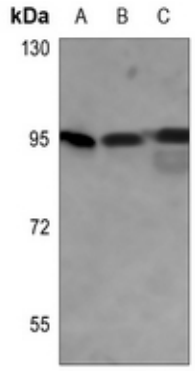
Protein Information

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.

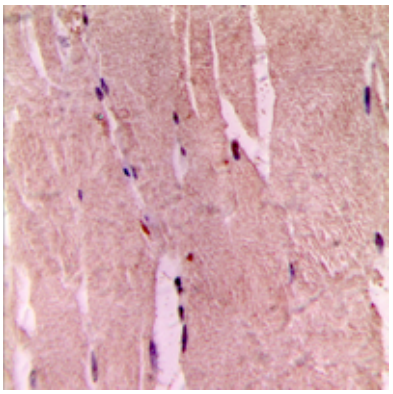
Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GYS1 (pS645). The exact sequence is proprietary.

Images



Western blot analysis of GYS1 (pS645) expression in H1792 (A), mouse kidney (B), mouse liver (C) whole cell lysates.



Immunohistochemical analysis of GYS1 (pS645) staining in human skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.