

Glycogen Synthase Antibody | anti-GYS antibody

Glycogen Synthase (Phospho-Ser645) Antibody

CATALOG # AAA267401	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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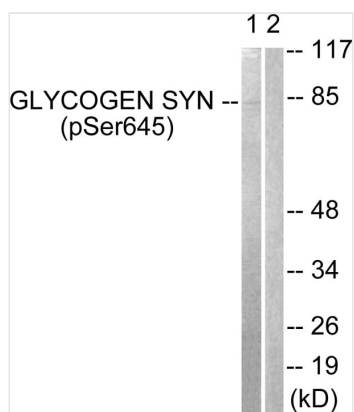
PRODUCT SYNONYMS

Glycogen Synthase; Glycogen Synthase (Phospho-Ser645) Antibody; EC 2.4.1.11; glycogen synthase muscle; anti-GYS antibody

PRODUCT SPECIFICATIONS

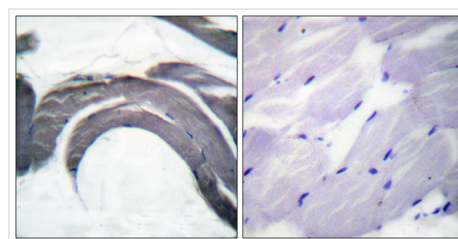
Reactivity	Human, Mouse, Rat
Specificity	Glycogen Synthase (Phospho-Ser645) antibody detects endogenous levels of Glycogen Synthase only when phosphorylated at serine 645.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	673
Applicable Applications for anti-GYS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Glycogen Synthase around the phosphorylation site of serine 645 (P-P-SP-P-S).
All Sites	Human: Ser645 Mouse: Ser645 Rat: Ser644
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from NIH/3T3 cells treated with PMA (125ng/ml, 30mins), using Glycogen Synthase (Phospho-Ser645) antibody (#A0431).



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using Glycogen Synthase (Phospho-Ser645) antibody (#A0431).

ADDITIONAL INFORMATION

References	Didier Laurent, Am J Physiol Endocrinol Metab, Apr 2000; 278: E663-E668. Young Soo Ahn, Carcinogenesis, Dec 1992; 13: 2329-2334. Alina Vos, J. Biol. Chem., Apr 2007; 10.1074. Jörg Hans Hacker, Carcinogenesis, Dec 1990; 11: 2199-2204.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	239049591
NCBI GeneID	2997
NCBI Accession #	NP_001155059.1
NCBI GenBank Nucleotide #	NM_001161587.1
UniProt Accession #	P13807; Q9BTT9
Molecular Weight	76,483 Da
NCBI Official Full Name	glycogen
NCBI Official Synonym Full Names	glycogen synthase 1
NCBI Official Symbol	GYS1
NCBI Official Synonym Symbols	GSY; GYS
NCBI Protein Information	glycogen [starch] synthase, muscle
UniProt Protein Name	Glycogen [starch] synthase, muscle
UniProt Gene Name	GYS1
UniProt Synonym Gene Names	GYS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gys-human-mouse-rat-antibody/glycogen-synthase/267401>