Datasheet for ABIN1531276

anti-Glycogen Synthase antibody (pSer645)

2 Images

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Overview

Quantity:	100 µg
Target:	Glycogen Synthase (GYS)
Binding Specificity:	AA 611-660, pSer645
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glycogen Synthase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Glycogen Synthase around the phosphorylation site of Ser645.
Isotype:	IgG
Specificity:	Glycogen Synthase (Phospho-Ser645) Antibody detects endogenous levels of Glycogen Synthase only when phosphorylated at Ser645. PhosphorylationH:S645 M:S645 R:S644
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

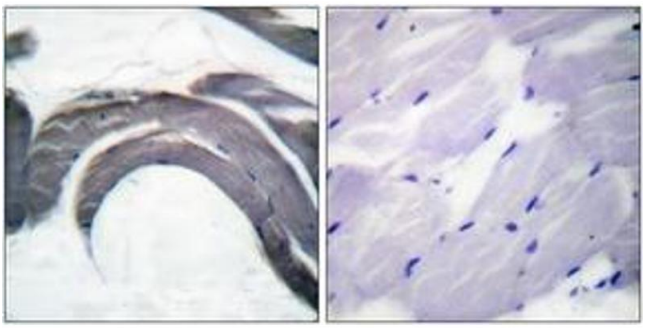
Target:	Glycogen Synthase (GYS)
Alternative Name:	Glycogen Synthase (GYS Products)
Background:	Synonyms: Glycogen [starch] synthase muscle, GYS1 , GYS NCBI Gene Symbol: GYS1
Molecular Weight:	83 kDa
Gene ID:	2997
OMIM:	138570
UniProt:	P13807

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:5000
Comment:	Unigene-Number: Hs.386225, Hs.433670 (NCBI Gene Symbol: GYS1)
Restrictions:	For Research Use only

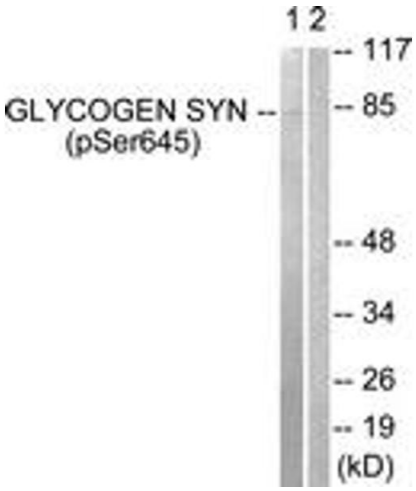
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using Glycogen Synthase (Phospho-Ser645) Antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from NIH-3T3 cells treated with PMA 125ng/ml 30', using Glycogen Synthase (Phospho-Ser645) Antibody. The lane on the right is treated with the synthesized peptide.