

Datasheet for ABIN200991

anti-Glycogen Synthase 1 antibody (pSer640)



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Overview

Quantity:	100 µg
Target:	Glycogen Synthase 1 (GYS1)
Binding Specificity:	AA 631-642, pSer640
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glycogen Synthase 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Human Muscle Glycogen Synthase phospho-peptide corresponding to a region of the human protein conjugated to (KLH). Sequence: AQGYRYPRPA-(pS)-VP (aa631-642). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Elephant (100%), Marmoset, Mouse, Rat, Hamster, Panda, Dog, Bovine, Horse, Rabbit, Pig, Xenopus (90%), Opossum, Zebrafish, Fusarium (80%).
Isotype:	IgG
Specificity:	Specific for the phosphorylated form of human muscle GS at S640. Minimally reactive (less than 1 %) with the non-phosphorylated form of the immunizing peptide. Species cross-reactivity: Human and mouse.
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Elephant (100%) Marmoset, Mouse, Rat, Hamster, Panda, Dog, Bovine, Horse, Rabbit, Pig, Xenopus (90%)

Product Details

Opossum, Zebrafish, Fusarium (80%).

Purification: Immunoaffinity purified

Target Details

Target: Glycogen Synthase 1 (GYS1)

Alternative Name: GYS1 / Glycogen Synthase ([GYS1 Products](#))

Background: Name/Gene ID: GYS1

Synonyms: GYS1, Glycogen synthase 1 (muscle), GSY, GYS

Gene ID: 2997

UniProt: [P13807](#)

Pathways: [PI3K-Akt Signaling](#), [AMPK Signaling](#), [Cellular Glucan Metabolic Process](#)

Application Details

Application Notes: Approved: ELISA (1:30000 - 1:150000), WB (1:1000)

Usage: Suitable for use in Western Blot and ELISA. Recommended Dilution (s): ELISA: 1:30000-1:150000, Assayed against 0.1 µg of phosphorylated peptide in a standard capture ELISA using TMB (3,3',5,5'-Tetramethylbenzidine) as a substrate for 30 minutes at RT. Western Blot: 1:1000.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, pH 7.2, 0.01 % sodium azide. No stabilizing proteins added.

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: 4 °C,-20 °C

Handling

Storage Comment: Short term: 4°C
 Long term: Add glycerol (40-50%) -20°C.