

Glycogen synthase 1 (phospho Ser641) antibody

Cat. No. GTX22479

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IHC-P, ELISA
Reactivity	Human, Mouse

References (1)

Package

50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
IHC-P	1:1000-1:5000
ELISA	1:20000-1:60000

Not tested in other applications.

Calculated MW	84 kDa. (Note)
Product Note	Reactivity with non-phosphorylated human muscle glycogen synthase is less than 1% by ELISA.

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Human Muscle Glycogen Synthase phospho peptide corresponding to a S641 region of the human protein conjugated to KLH.
Purification	Purified by antigen-affinity chromatography. From serum
Conjugation	Unconjugated



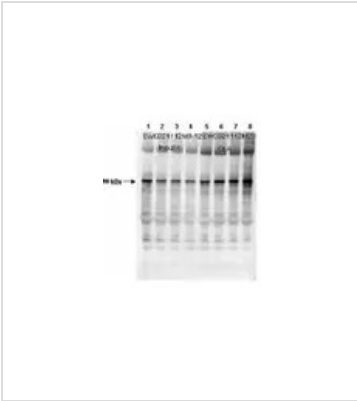
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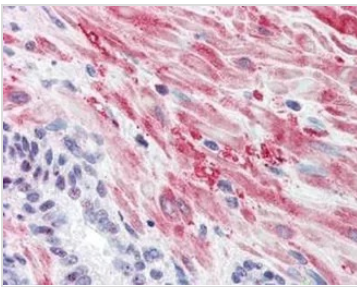
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Note

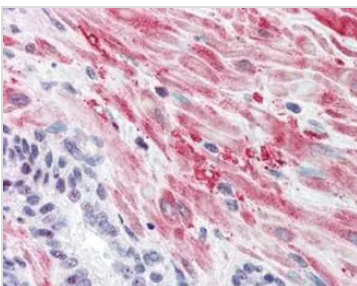
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DATA IMAGES

GTX22479 WB Image

Affinity Purified Phospho-specific antibody to human muscle Glycogen Synthase at pS640 (GTX22479) was used at a 1:1000 dilution to detect human muscle GS by Western blot. Approximately 12 ul of a mouse cardiac myocyte lysate was loaded per lane on a 4-20% Criterion gel for SDS-PAGE. Samples were either mock treated (lanes 1 and 5) or insulin treated at 10 nM, 100 nM and 1 μM (lanes 2, 3 and 4 respectively) for 15' or CLA treated at 4nM, 20 nM or 100 nM (lanes 6,7 and 8 respectively) for 45'. After washing, a 1:5,000 dilution of HRP conjugated Gt-a-Rabbit IgG (GTX27090) preceded color development using Amersham's substrate system.


GTX22479 IHC-P Image

Immunohistochemistry with Anti-Glycogen Synthase at pS641 antibody (GTX22479) Tissue: Human Prostate Fixation: formalin-fixed, paraffin-embedded tissue Antigen retrieval: heat-induced Primary antibody: 5 μg/ml Staining: antibody as precipitated red signal with a hematoxylin purple nuclear counterstain.


GTX22479 IHC-P Image

IHC-P analysis of human prostate tissue using GTX22479 Glycogen synthase 1 (phospho Ser641) antibody. Dilution : 5 μg/mL



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