

Product Datasheet

Glycogen Synthase [p Ser641] Antibody (SR46-06) NBP2-67315

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67315

Glycogen Synthase [p Ser641] Antibody (SR46-06)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SR46-06
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description

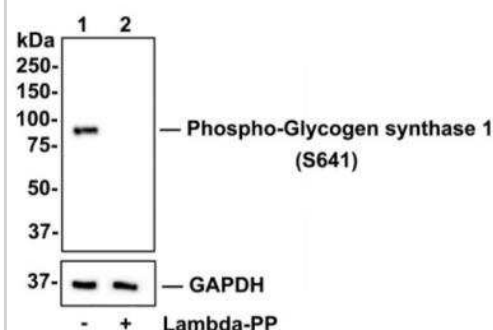
Host	Rabbit
Gene ID	2997
Gene Symbol	GYS1
Species	Human, Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser641 of Human Glycogen Synthase. (SwissProt: P13807 Human; SwissProt: Q9Z1E4 Mouse; Entrez Gene: 690987 Rat)

Product Application Details

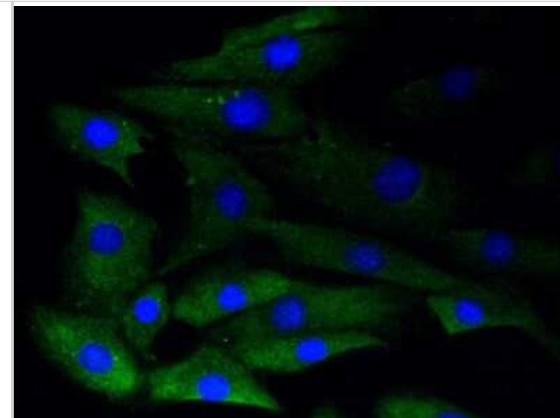
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200
Application Notes	IP: Use at an assay dependent concentration.

Images

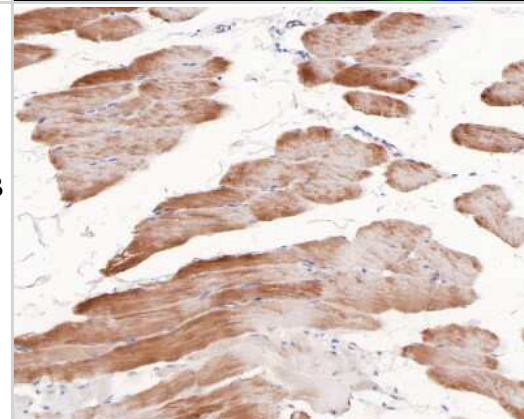
Western Blot: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Analysis of Phospho-Glycogen synthase 1 on HepG2 cell lysates. Lane 1: HepG2 cells, whole cell lysate, 10ug/lane Lane 2: HepG2 cells treated with 2.8ug/ul lambda-PP for 30 minutes, whole cell lysates, 10ug/lane All lanes : Anti-Phospho-Glycogen synthase 1 antibody at 1:500 dilution. Anti-GAPDH antibody at 1:10,000 dilution. Goat Anti-Rabbit IgG H&L (HRP) at 1/200,000 dilution. Predicted band size: 84 kDa Observed band size: 84 kDa Blocking and diluting buffer: 5% BSA. Exposure time: 1 minute 34 seconds



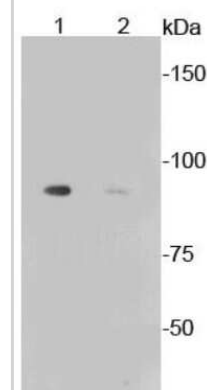
Immunocytochemistry/Immunofluorescence: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Staining Phospho-Glycogen synthase 1(S641) in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



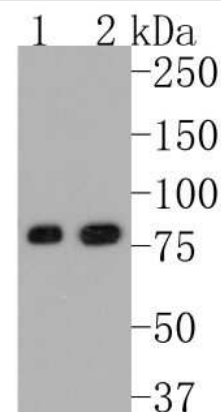
Immunohistochemistry-Paraffin: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Analysis of paraffin-embedded rat skeletal muscle tissue with Rabbit anti-Glycogen synthase [p Ser641] antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



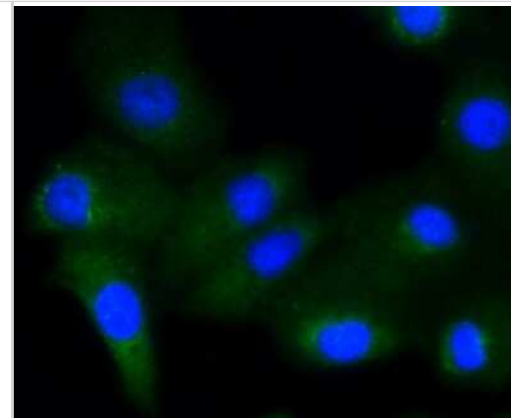
Western Blot: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Analysis of Phospho-Glycogen synthase 1(S641) on different lysates using anti-Phospho-Glycogen synthase 1(S641) antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse liver lysate, untreated
Lane 3: Mouse liver lysate, treated with AP



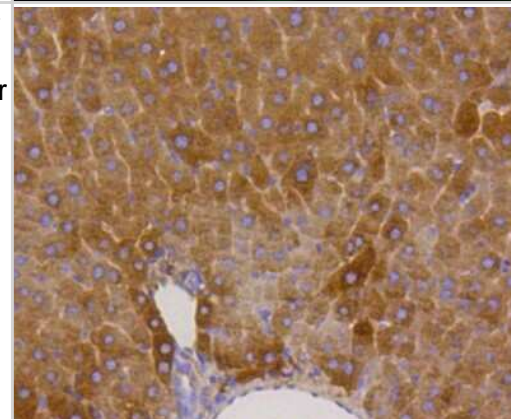
Western Blot: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Western blot analysis of Glycogen Synthase on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours.
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Immunocytochemistry/Immunofluorescence: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Staining Phospho-Glycogen synthase 1(S641) in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



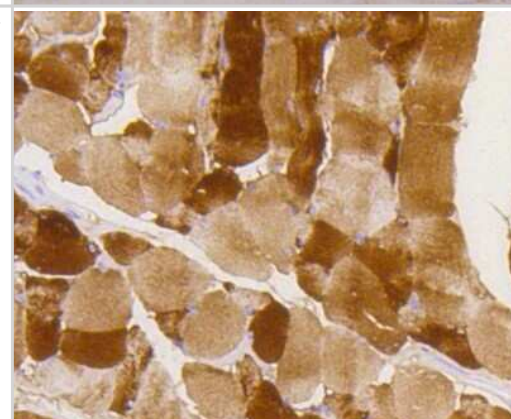
Immunohistochemistry-Paraffin: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Analysis of paraffin-embedded mouse liver tissue using anti-Phospho-Glycogen synthase 1(S641) antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Phospho-Glycogen synthase 1(S641) antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Analysis of paraffin-embedded mouse smooth muscle tissue using anti-Phospho-Glycogen synthase 1(S641) antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Glycogen Synthase [p Ser641] Antibody (SR46-06) [NBP2-67315] - Analysis of paraffin-embedded mouse skeletal muscle tissue with Rabbit anti-Phospho-Glycogen synthase 1 (S641) antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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Products Related to NBP2-67315

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00002997-P01-10ug	Recombinant Human Glycogen Synthase GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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