

Rabbit Phospho-GYS1-S641 Polyclonal Antibody | anti-GYS1-S641 antibody

Phospho-GYS1-S641 Rabbit pAb

CATALOG # AAA282110	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Phospho-GYS1-S641; Polyclonal Antibody; Phospho-GYS1-S641 Rabbit pAb; GYS1; GSY; GYS; anti-GYS1-S641 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-GYS1-S641 antibody	WB (Western Blot)
Immunogen	A phospho specific peptide corresponding to residues surrounding S641 of human Glycogen synthase 1 (GYS1)
Positive Samples	293T, NIH/3T3, C6
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western blot analysis of extracts of 293T cells, using Phospho-GYS1-S641 pAb at 1:1000 dilution or Glycogen synthase 1 (GYS1) antibody (A2519). 293T cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Phospho-GYS1-S641 antibody at 1:1000 dilution. NIH/3T3 cells and C6 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-GYS1-S641 antibody	Background: The protein encoded by this gene catalyzes the addition of glucose monomers to the growing glycogen molecule through the formation of alpha-1, 4-glycoside linkages. Mutations in this gene are associated with muscle glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-GYS1-S641 antibody	Protein phosphorylation; Research; Cell Biology & Developmental Biology; Cytoskeleton; Actins; Research; Endocrine & Metabolism; Carbohydrate metabolism; Research; Endocrine & Metabolism; AMPK Signaling Pathway; Research; Endocrine & Metabolism; Insulin R

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	83,786 Da
NCBI Official Full Name	glycogen
NCBI Official Synonym Full Names	glycogen synthase 1 (muscle)
NCBI Official Symbol	GYS1
NCBI Official Synonym Symbols	GSY; GYS
NCBI Protein Information	glycogen [starch] synthase, muscle; glycogen [starch] synthase, muscle
UniProt Protein Name	Glycogen [starch] synthase, muscle
UniProt Gene Name	GYS1
UniProt Synonym Gene Names	GYS
UniProt Entry Name	GYS1_HUMAN

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/polyclonal/phospho-gys1-s641-antibody-western-blot-elisa/282110>