

Rabbit anti-Human, Mouse GYS1 Polyclonal Antibody | anti-GYS1 antibody

Rabbit anti-GYS1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212564	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

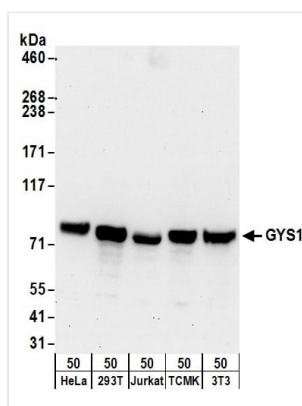
PRODUCT SYNONYMS

GYS1; Polyclonal Antibody; Rabbit anti-GYS1 Antibody; Affinity Purified; glycogen [starch] synthase; muscle; glycogen synthase 1 (muscle); GSY; GYS; Glycogen [starch] synthase; glycogen synthase 1; anti-GYS1 antibody

PRODUCT SPECIFICATIONS

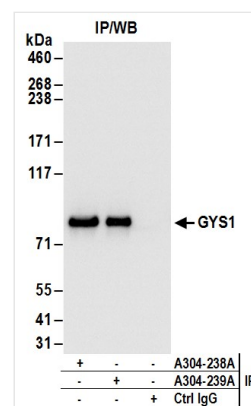
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-GYS1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 650 and 700
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse GYS1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-GYS1 antibody AAA212564 (lot AAA212564-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human GYS1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from 293T cells. Antibodies: Affinity purified rabbit anti-GYS1 antibody AAA212564 (lot AAA212564-1) used for IP at 6 ug/mg lysate. GYS1 was also immunoprecipitated by rabbit anti-GYS1 antibody For blotting immunoprecipitated GYS1, AAA212564 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-GYS1 antibody	Glycogen synthase 1 (muscle) (GYS1) catalyzes the addition of glucose monomers to the growing glycogen molecule through the formation of alpha-1,4-glycoside linkages. Mutations in the GYS1 gene are associated with muscle glycogen storage disease [taken from NCBI Entrez Gene (Gene ID: 2997)].
Product Categories/Family for anti-GYS1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542868
NCBI GeneID	2997
NCBI Accession #	NP_002094.2
NCBI GenBank Nucleotide #	NM_002103.4
UniProt Accession #	P13807; Q9BTT9
Molecular Weight	76,483 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/gys1-antibody-immunoprecipitation-western-blot-elisa/212564>