

## ARG59598 anti-GYG1 / Glycogenin 1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GYG1 / Glycogenin 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GYG1 / Glycogenin 1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 234-333 of Human GYG1 (NP_001171649.1).
Conjugation	Un-conjugated
Alternate Names	GYG; GN-1; GN1; GSD15; Glycogenin-1; EC 2.4.1.186

### Application Instructions

Application table	Application	Dilution
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat heart, Mouse skeletal muscle and SW480	
Observed Size	39 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

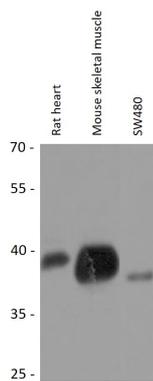
## Bioinformation

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Gene Symbol	GYG1
Gene Full Name	glycogenin 1
Background	This gene encodes a member of the glycogenin family. Glycogenin is a glycosyltransferase that catalyzes the formation of a short glucose polymer from uridine diphosphate glucose in an autoglucosylation reaction. This reaction is followed by elongation and branching of the polymer, catalyzed by glycogen synthase and branching enzyme, to form glycogen. This gene is expressed in muscle and other tissues. Mutations in this gene result in glycogen storage disease XV. This gene has pseudogenes on chromosomes 1, 8 and 13 respectively. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Sep 2010]
Function	Self-glucosylates, via an inter-subunit mechanism, to form an oligosaccharide primer that serves as substrate for glycogen synthase. [UniProt]
Calculated Mw	39 kDa
PTM	Self-glycosylated by the transfer of glucose residues from UDP-glucose to itself, forming an alpha-1,4-glycan of around 10 residues attached to Tyr-195.  Phosphorylated. [UniProt]

## Images

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ARG59598 anti-GYG1 / Glycogenin 1 antibody WB image

Western blot: 25 µg of Rat heart, Mouse skeletal muscle and SW480 cell lysates stained with ARG59598 anti-GYG1 / Glycogenin 1 antibody at 1:1000 dilution.